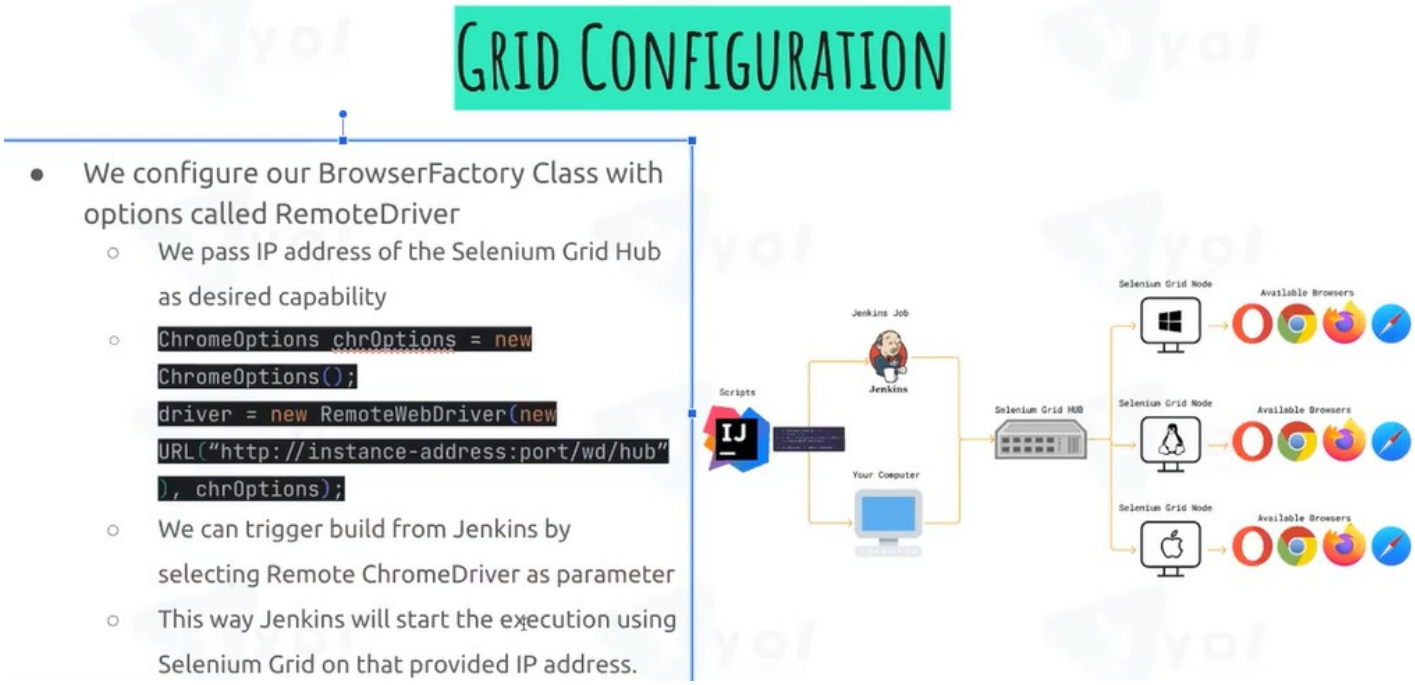
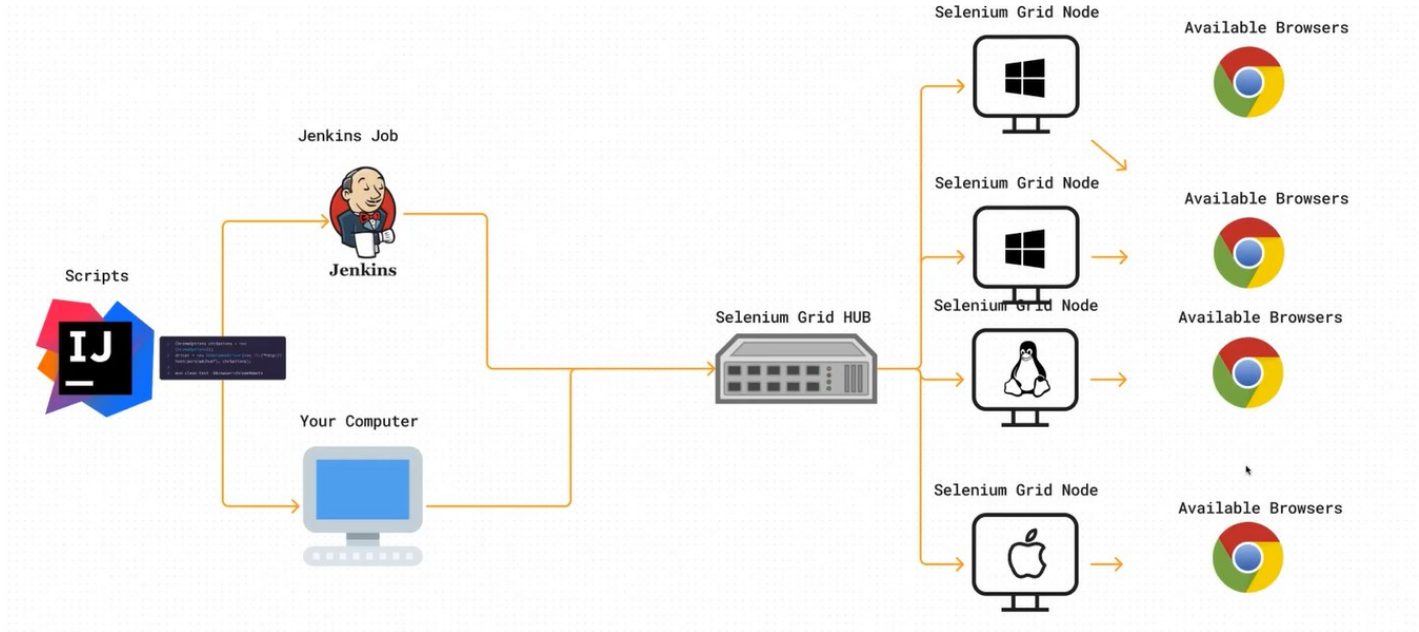
Jenkins and **selenium Grid** must be configurated.

Everything is happened in the **Cloud AWS**


GRID CONFIGURATION
We configure our BrowserFactory Class with options called RemoteDriver
We pass IP address of the Selenium Grid Hub as desired capability
ChromeOptions chrOptions = new ChromeOptions();
driver = new RemoteWebDriver(new URL("http://instance-address:port/wd/hub"), chrOptions);
We can trigger build from Jenkins by selecting Remote ChromeDriver as parameter
This way Jenkins will start the execution using Selenium Grid on that provided IP address.
Jenkins Job
Jenkins
Scripts
Your Computer
Selenium Grid HUB
Selenium Grid Node
Available Browsers

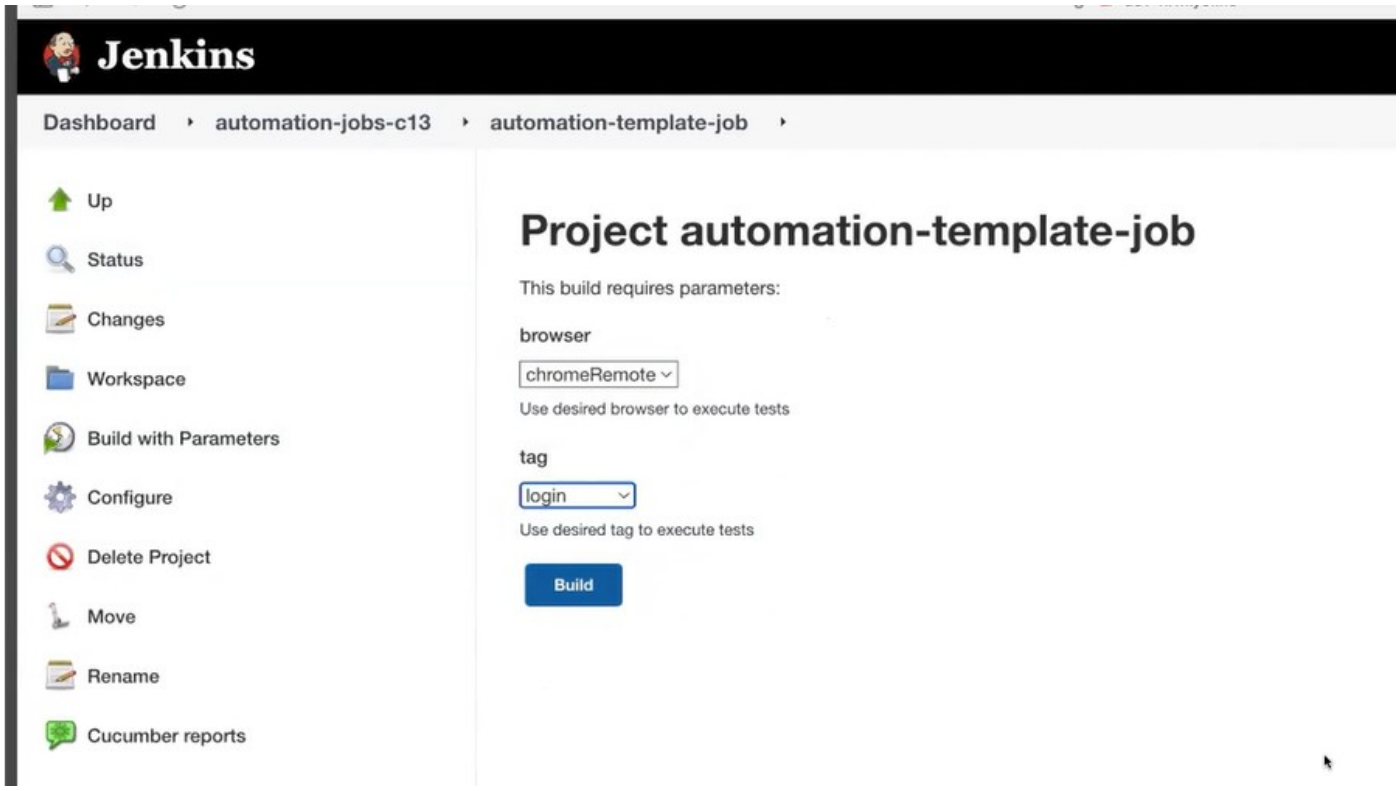
Selenium Grid : in BrowserFactory

Jenkins: Through Configuration a job, and by using AWS

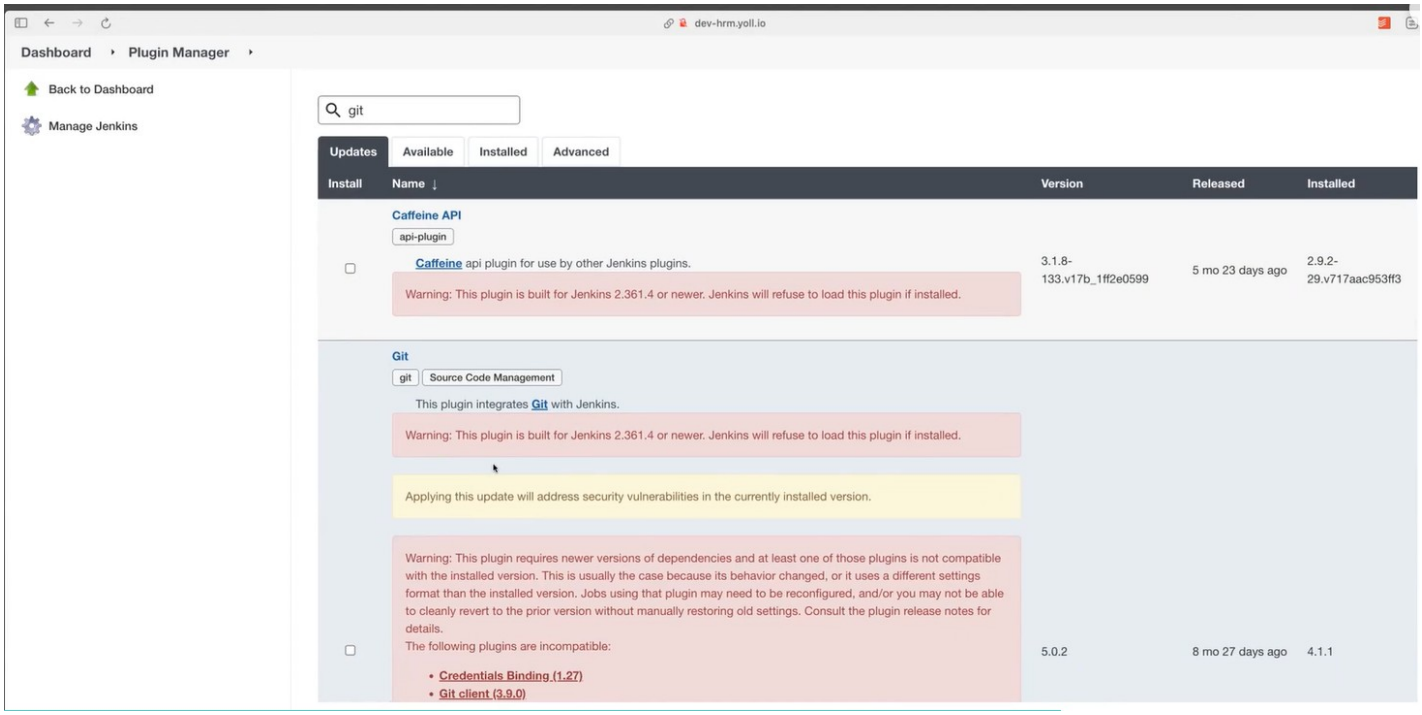


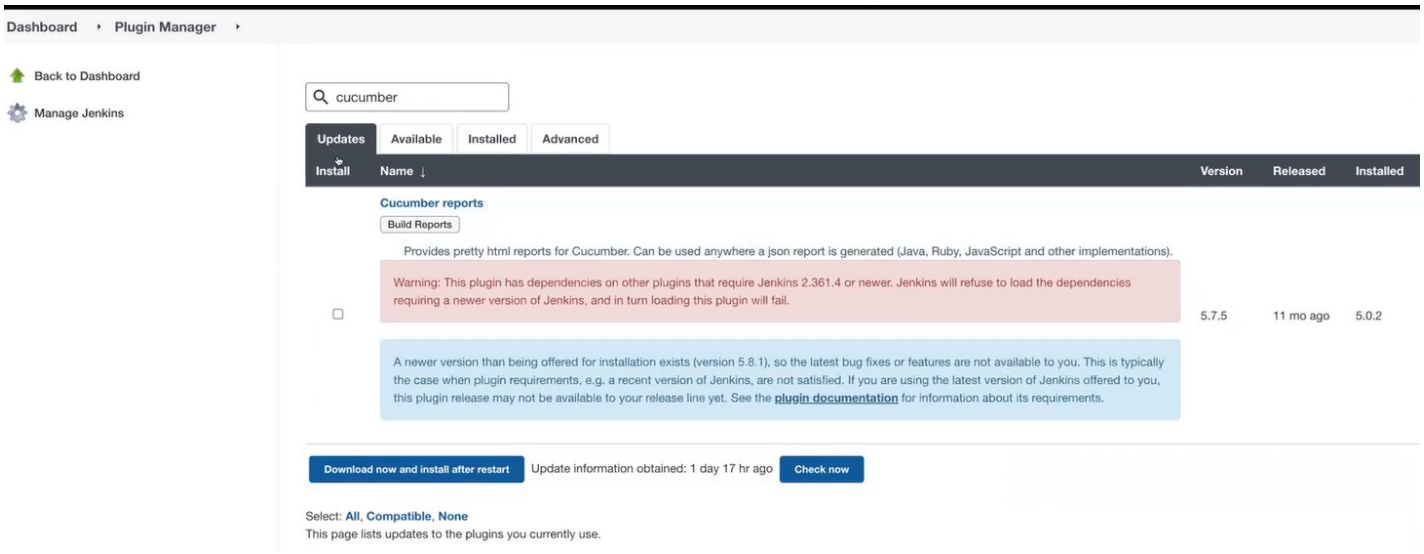
Yoll-student

Bootcamp5#



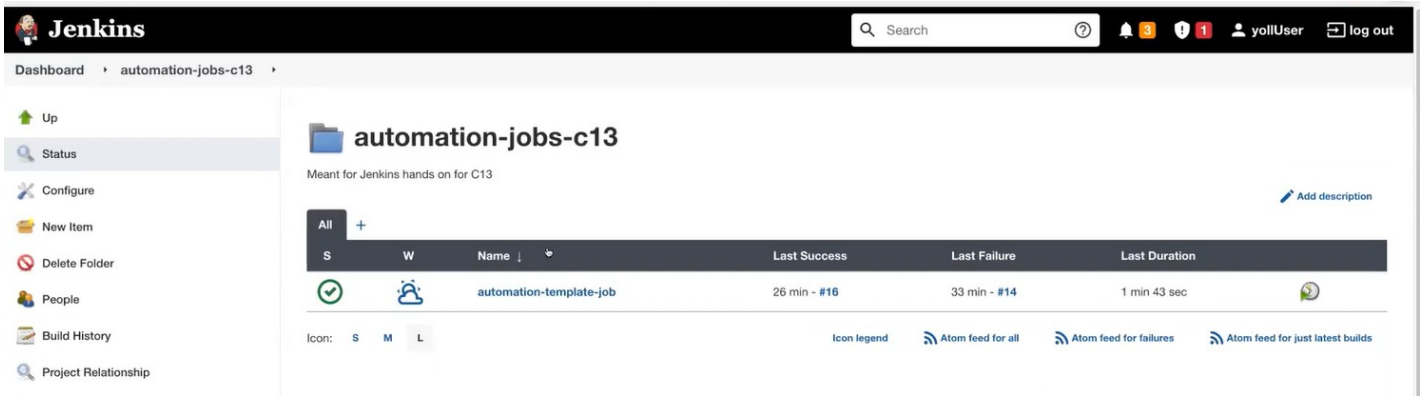
We need to add Plug in :Git, Cucumber Report


dev-hrm.yoll.io
Dashboard
Plugin Manager
Back to Dashboard
Manage Jenkins
git
Updates
Available
Installed
Advanced
Install
Name
Version
Released
Installed
Caffeine API
api-plugin
Caffeine api plugin for use by other Jenkins plugins.
Warning: This plugin is built for Jenkins 2.361.4 or newer. Jenkins will refuse to load this plugin if installed.
3.1.8-133.v17b_1ff2e0599
5 mo 23 days ago
2.9.2-29.v717aac953ff3
Git
git
Source Code Management
This plugin integrates Git with Jenkins.
Warning: This plugin is built for Jenkins 2.361.4 or newer. Jenkins will refuse to load this plugin if installed.
Applying this update will address security vulnerabilities in the currently installed version.
Warning: This plugin requires newer versions of dependencies and at least one of those plugins is not compatible with the installed version. This is usually the case because its behavior changed, or it uses a different settings format than the installed version. Jobs using that plugin may need to be reconfigured, and/or you may not be able to cleanly revert to the prior version without manually restoring old settings. Consult the plugin release notes for details.
The following plugins are incompatible:
Credentials Binding (1.27)
Git client (3.9.0)
5.0.2
8 mo 27 days ago
4.1.1

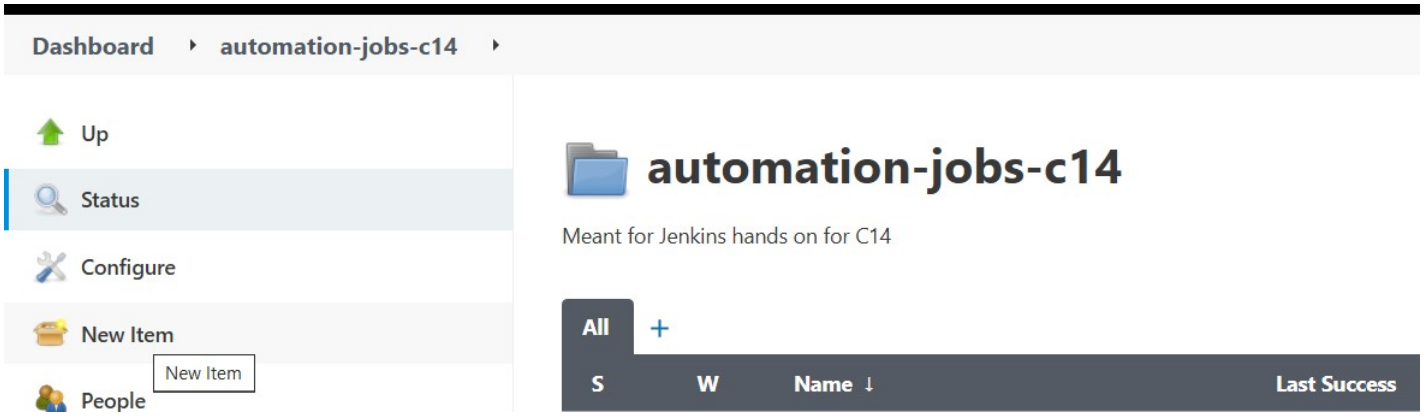

Dashboard › Plugin Manager ›
Back to Dashboard
Manage Jenkins
cucumber
Updates
Available
Installed
Advanced
Install
Name ↓
Version
Released
Installed
Cucumber reports
Build Reports
Provides pretty html reports for Cucumber. Can be used anywhere a json report is generated (Java, Ruby, JavaScript and other implementations).
Warning: This plugin has dependencies on other plugins that require Jenkins 2.361.4 or newer. Jenkins will refuse to load the dependencies requiring a newer version of Jenkins, and in turn loading this plugin will fail.
5.7.5
11 mo ago
5.0.2
A newer version than being offered for installation exists (version 5.8.1), so the latest bug fixes or features are not available to you. This is typically the case when plugin requirements, e.g. a recent version of Jenkins, are not satisfied. If you are using the latest version of Jenkins offered to you, this plugin release may not be available to your release line yet. See the plugin documentation for information about its requirements.
Download now and install after restart
Update information obtained: 1 day 17 hr ago
Check now
Select: All, Compatible, None
This page lists updates to the plugins you currently use.

How to create a job:

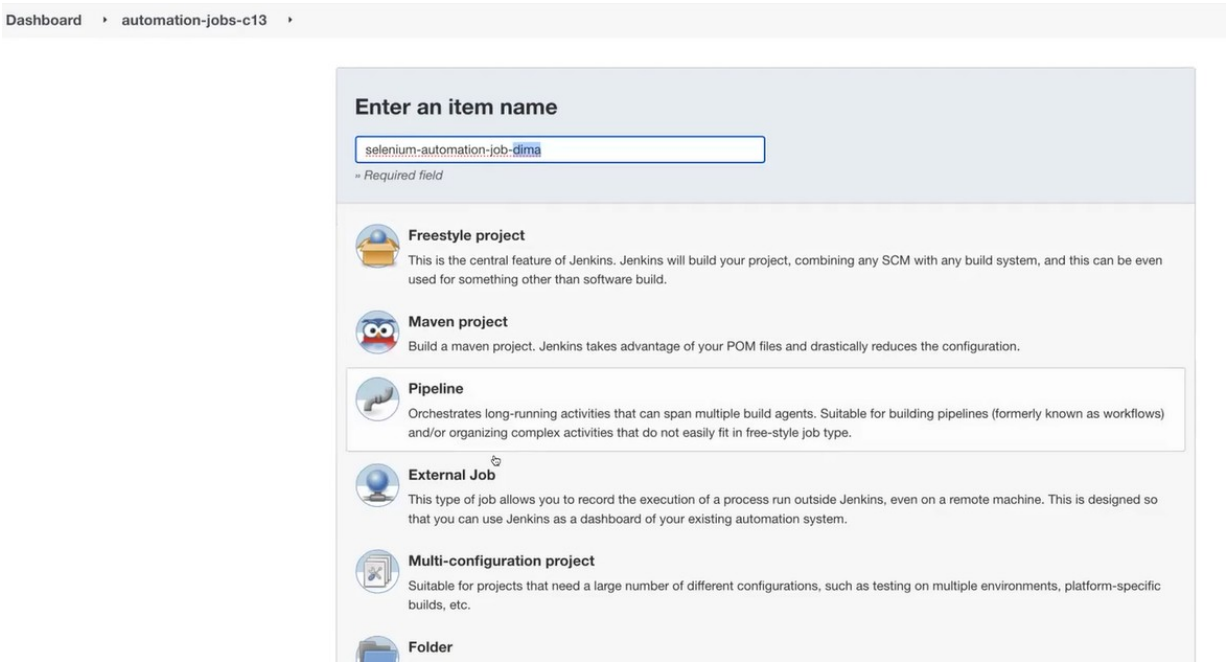
Go to Dashboard/your folder: in our case: automation-jobs-c13



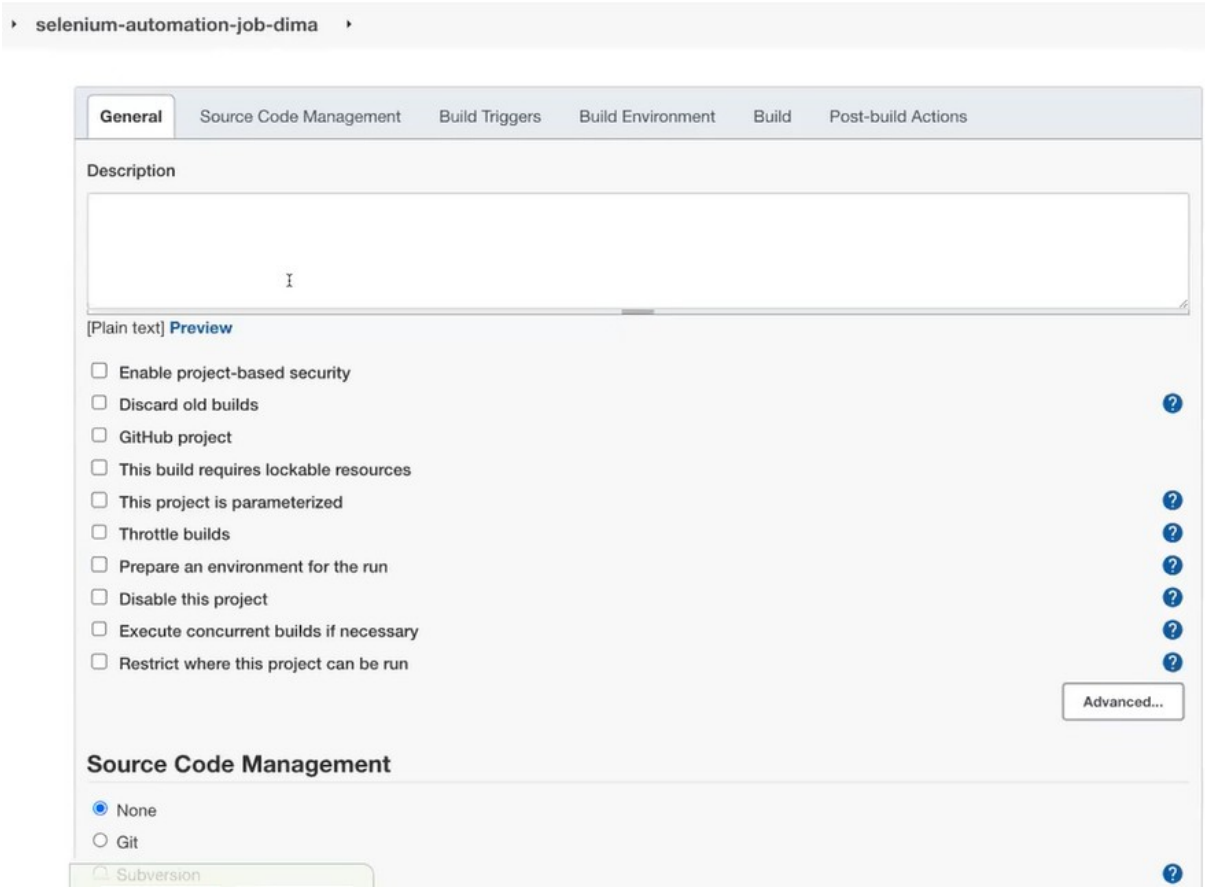
New Item



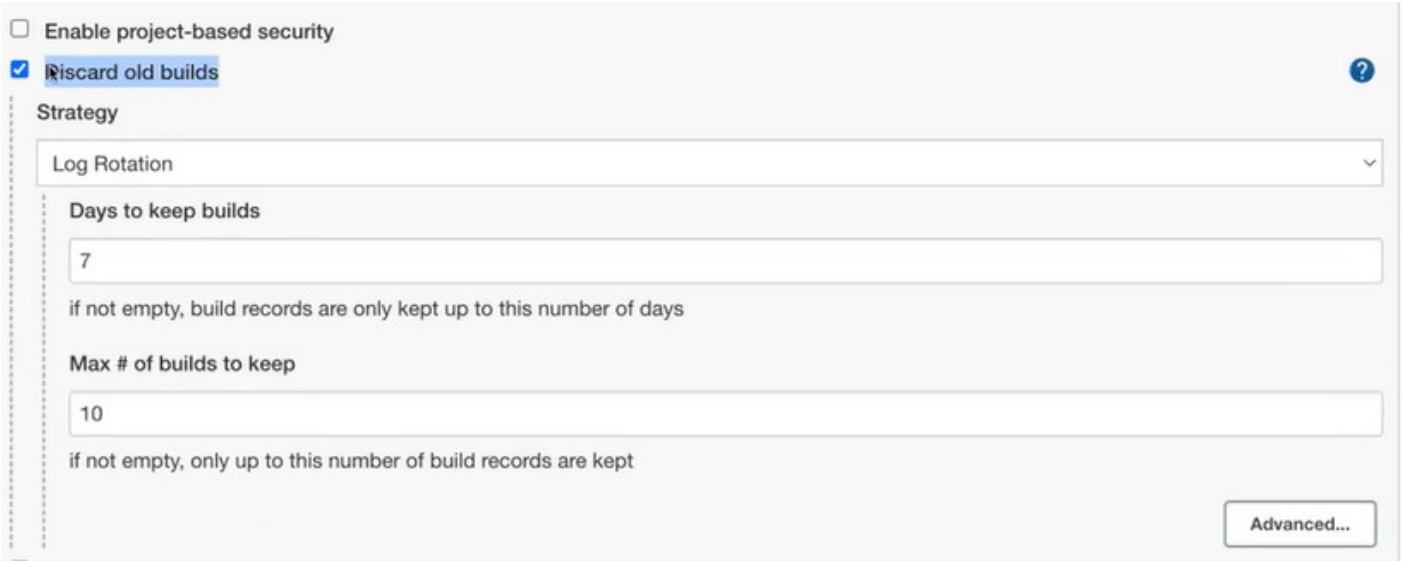
Put a name,


Dashboard
automation-jobs-c13
Enter an item name
selenium-automation-job-dima
» Required field
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
External Job
This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
Folder

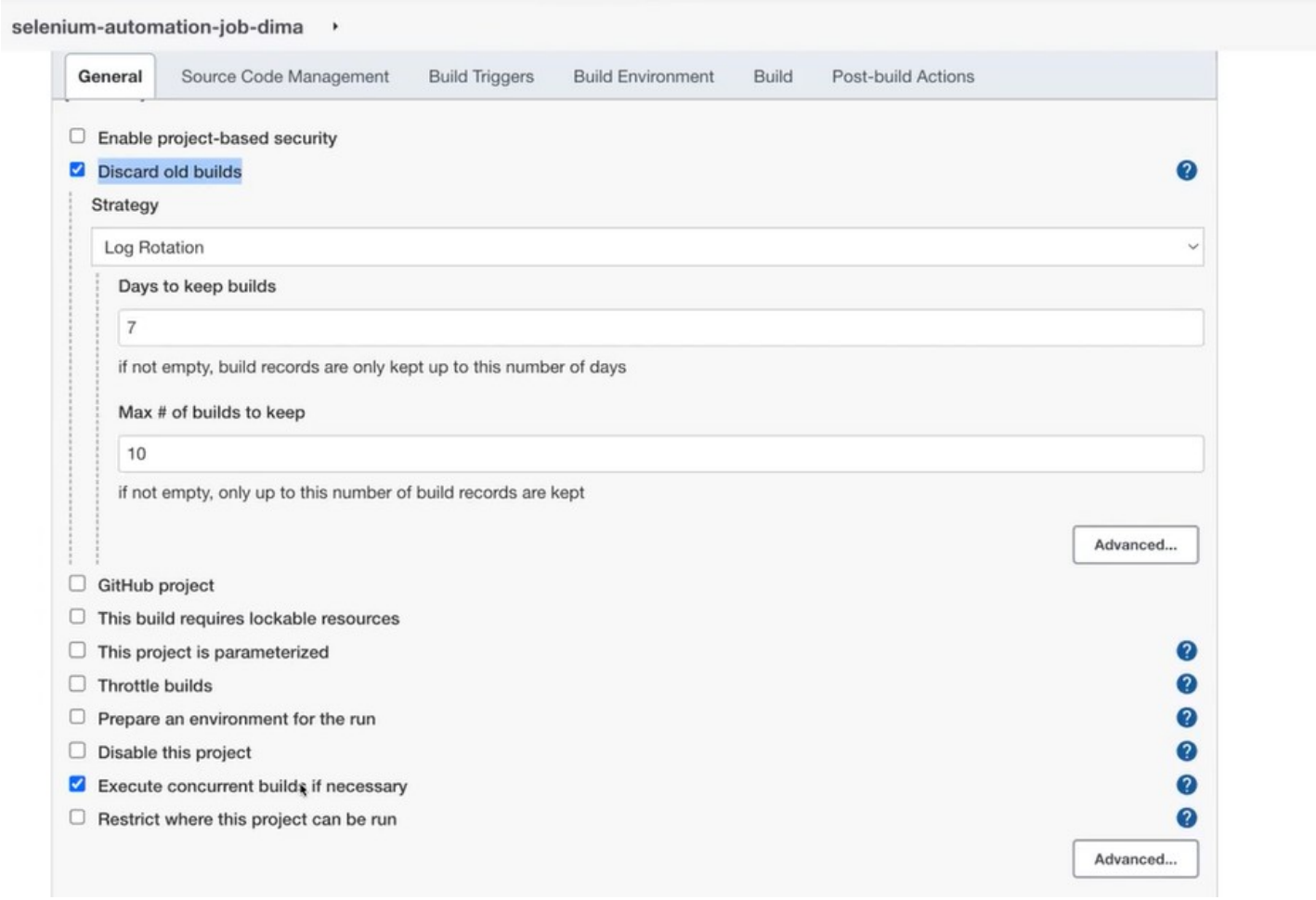
And choose free style project/ok



Discard old build


Enable project-based security
Discard old builds
Strategy
Log Rotation
Days to keep builds
7
if not empty, build records are only kept up to this number of days
Max # of builds to keep
10
if not empty, only up to this number of build records are kept
Advanced...

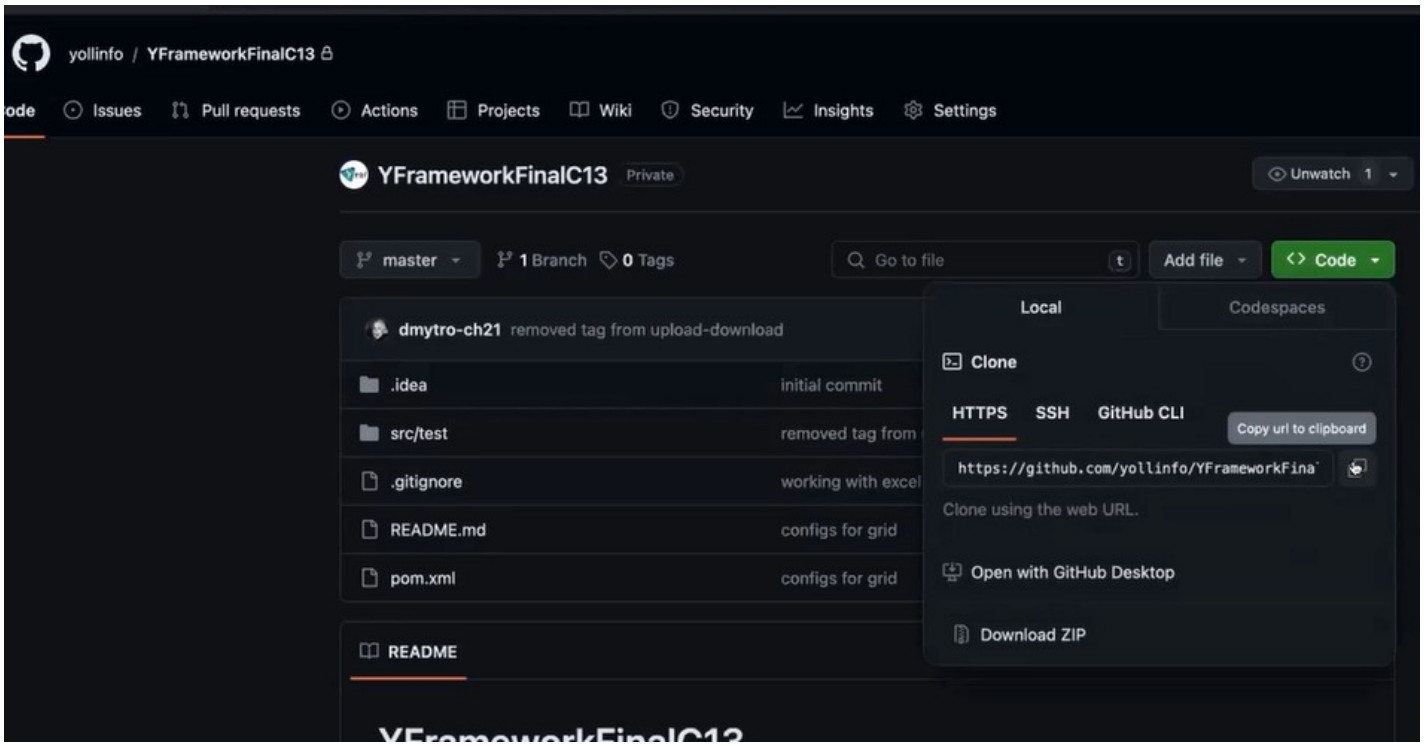
Execute concurrent builds if necessary



Source code manager

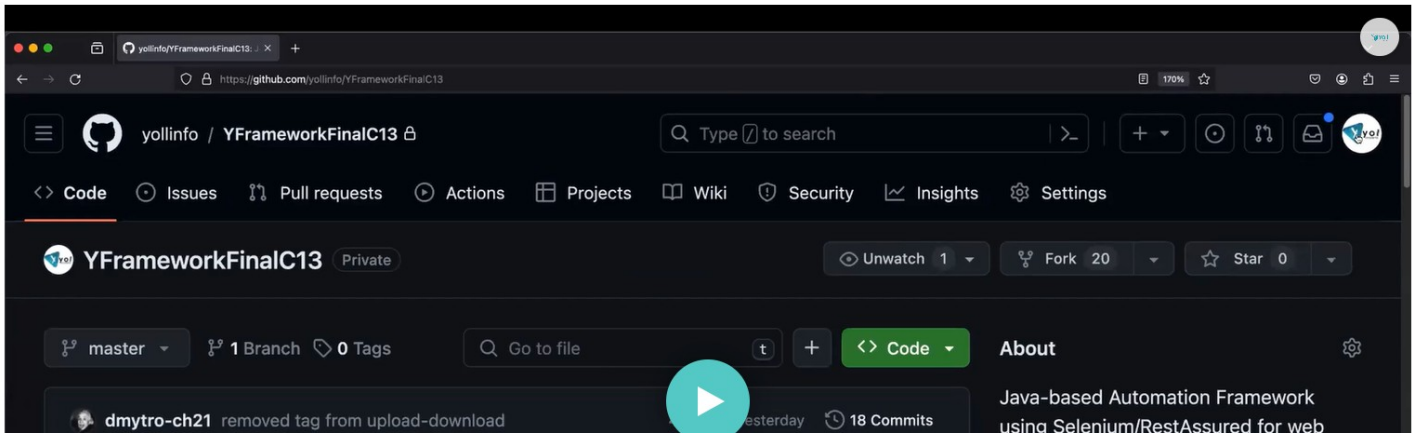
```
6. Source Code Management
   - Git
     - We need to provide a GitHub Url that includes token in it.
       - Build the proper URL
         - Take the clone link first(it should include your name)
         https://github.com/yollinfo/YFrameworkFinalC13.git
         - Next generate a token for it
         - Finally place both together in this format
         https://<token>@<repo yrl>.git
         https://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@github.com/yollinfo/YFrameworkFinalC13.git
```

Copy url from gitHub

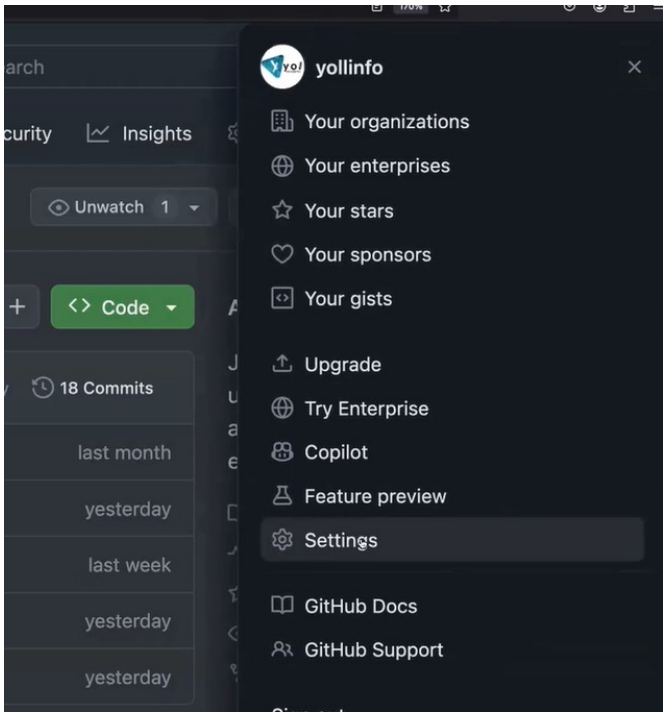


Generate a token:

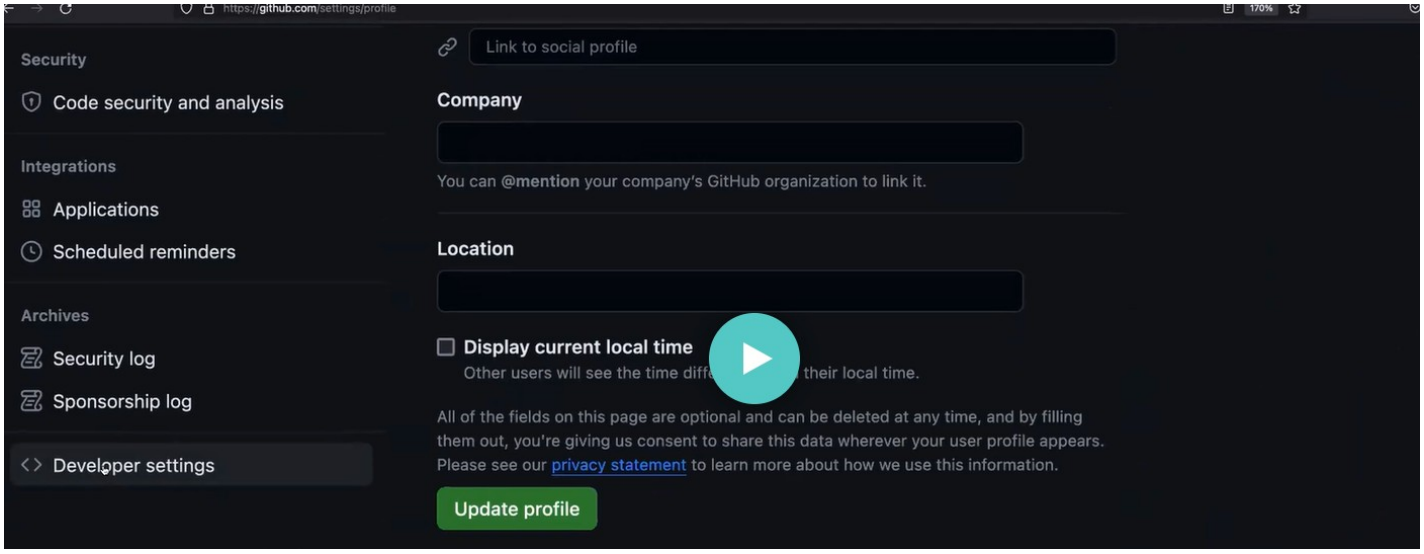
Go to the top right side of gitHub page



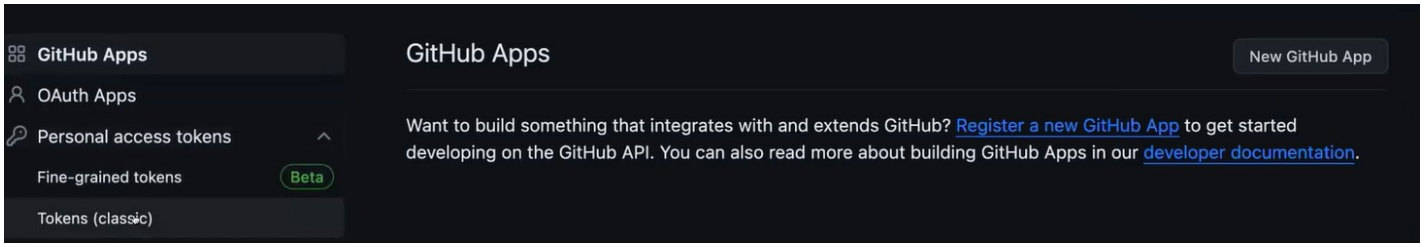
Choose settings:



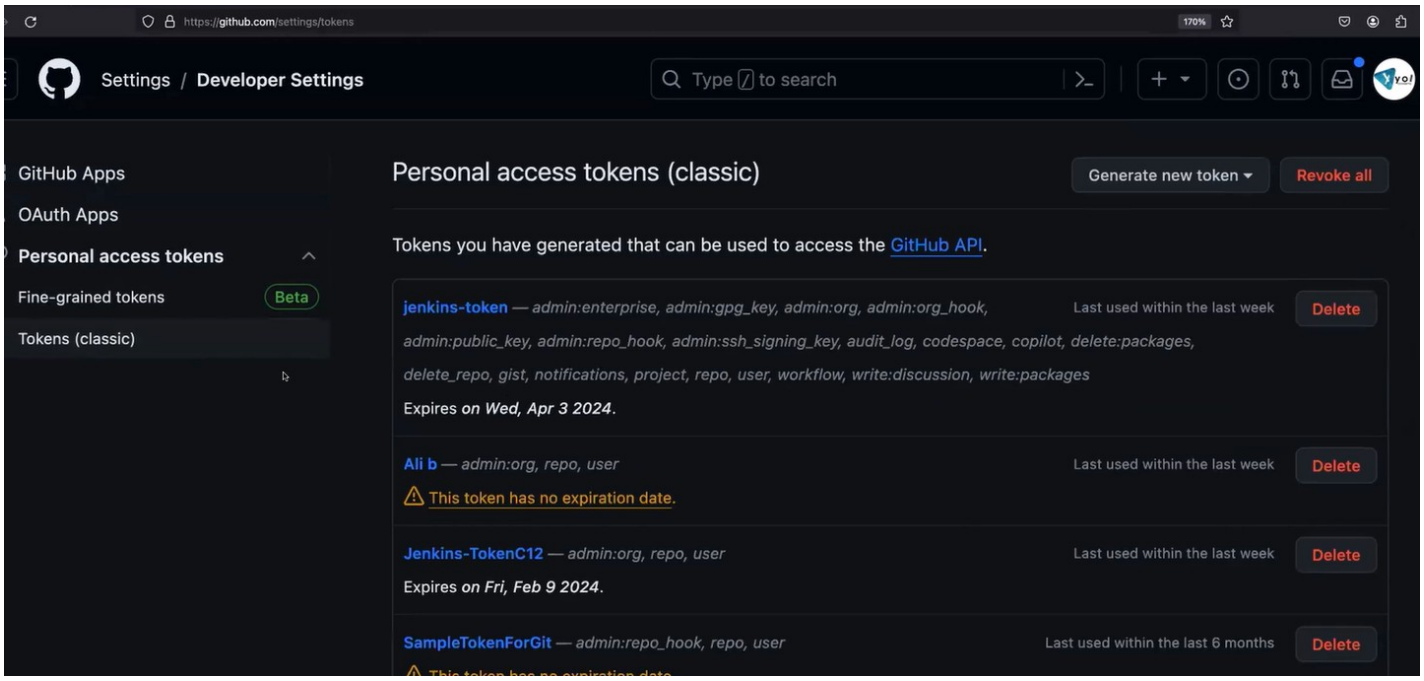
Go to Developer settings:


Security
Code security and analysis
Integrations
Applications
Scheduled reminders
Archives
Security log
Sponsorship log
Developer settings
Link to social profile
Company
You can @mention your company's GitHub organization to link it.
Location
Display current local time
Other users will see the time diff their local time.
All of the fields on this page are optional and can be deleted at any time, and by filling them out, you're giving us consent to share this data wherever your user profile appears. Please see our privacy statement to learn more about how we use this information.
Update profile

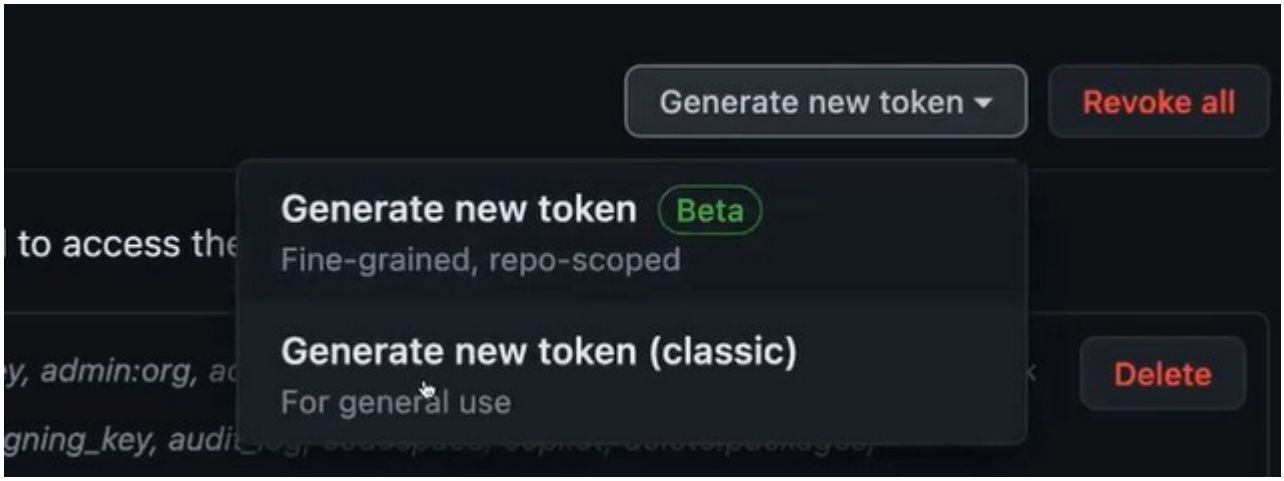
Choose personal access tokens: Token (classic)


GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
GitHub Apps
New GitHub App
Want to build something that integrates with and extends GitHub? Register a new GitHub App to get started developing on the GitHub API. You can also read more about building GitHub Apps in our developer documentation.

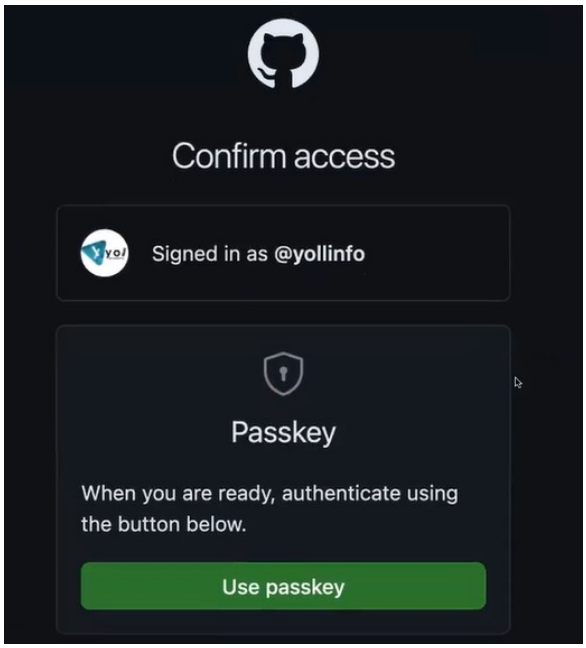
Generate a new token


https://github.com/settings/tokens
170%
Settings / Developer Settings
Type / to search
GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
Personal access tokens (classic)
Generate new token
Revoke all
Tokens you have generated that can be used to access the GitHub API.
jenkins-token — admin:enterprise, admin:gpg_key, admin:org, admin:org_hook, admin:public_key, admin:repo_hook, admin:ssh_signing_key, audit_log, codespace, copilot, delete:packages, delete_repo, gist, notifications, project, repo, user, workflow, write:discussion, write:packages
Last used within the last week
Delete
Expires on Wed, Apr 3 2024.
Ali b — admin:org, repo, user
Last used within the last week
Delete
This token has no expiration date.
Jenkins-TokenC12 — admin:org, repo, user
Last used within the last week
Delete
Expires on Fri, Feb 9 2024.
SampleTokenForGit — admin:repo_hook, repo, user
Last used within the last 6 months
Delete

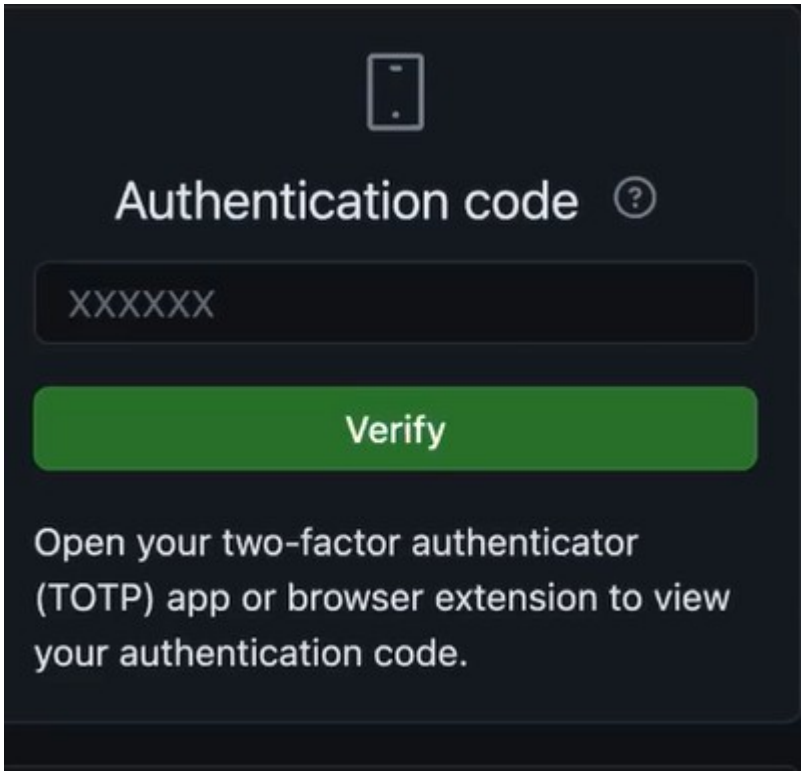
Choose : Generate a new token (classic)



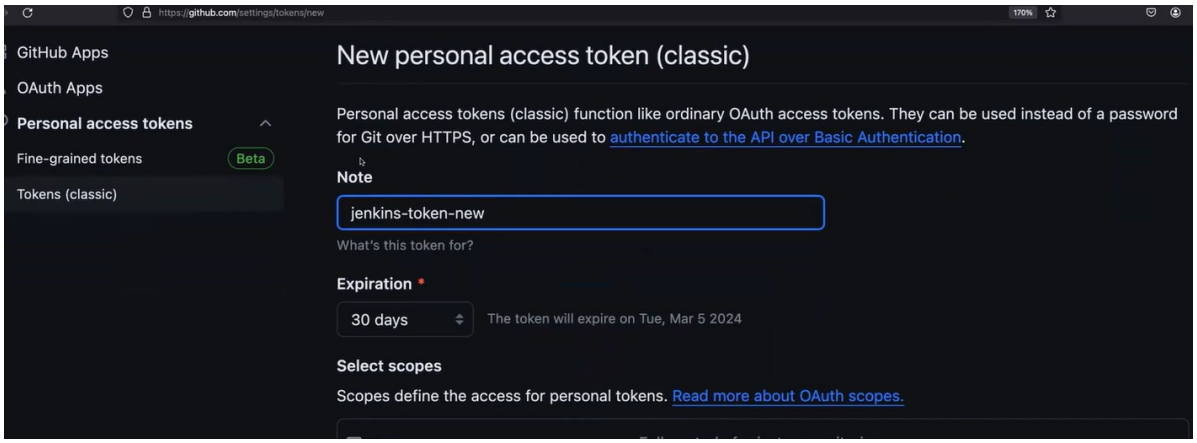
Use passkey



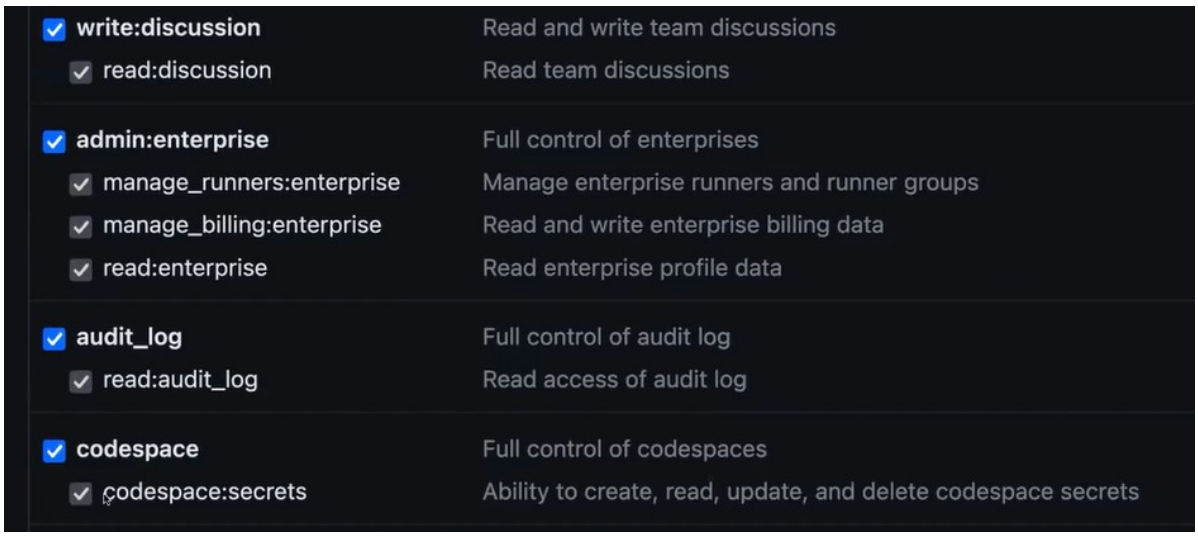
Put the authentication code:

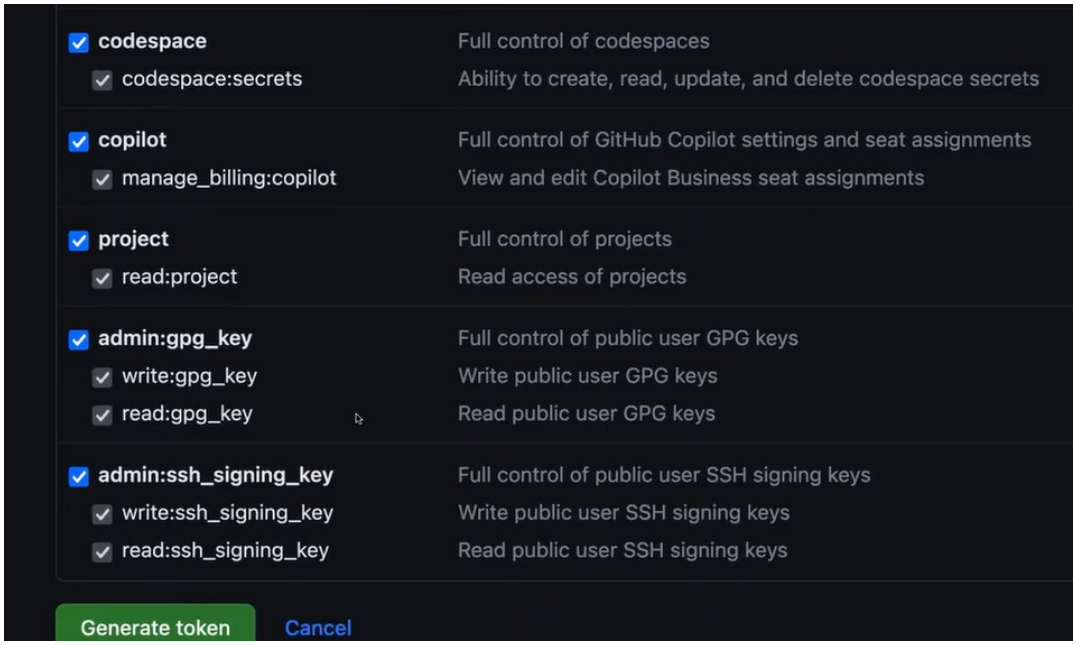

Authentication code
XXXXXX
Verify
Open your two-factor authenticator (TOTP) app or browser extension to view your authentication code.

Name the new token

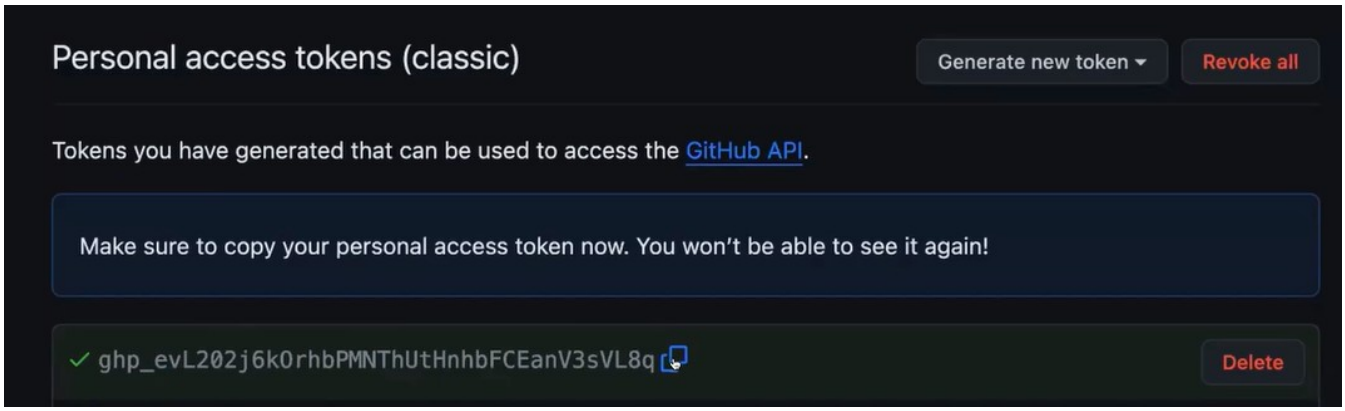

https://github.com/settings/tokens/new
170%
GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Beta
Tokens (classic)
New personal access token (classic)
Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.
Note
jenkins-token-new
What's this token for?
Expiration *
30 days
The token will expire on Tue, Mar 5 2024
Select scopes
Scopes define the access for personal tokens. Read more about OAuth scopes.

Check the ALL boxes then click on GENERATE TOKEN

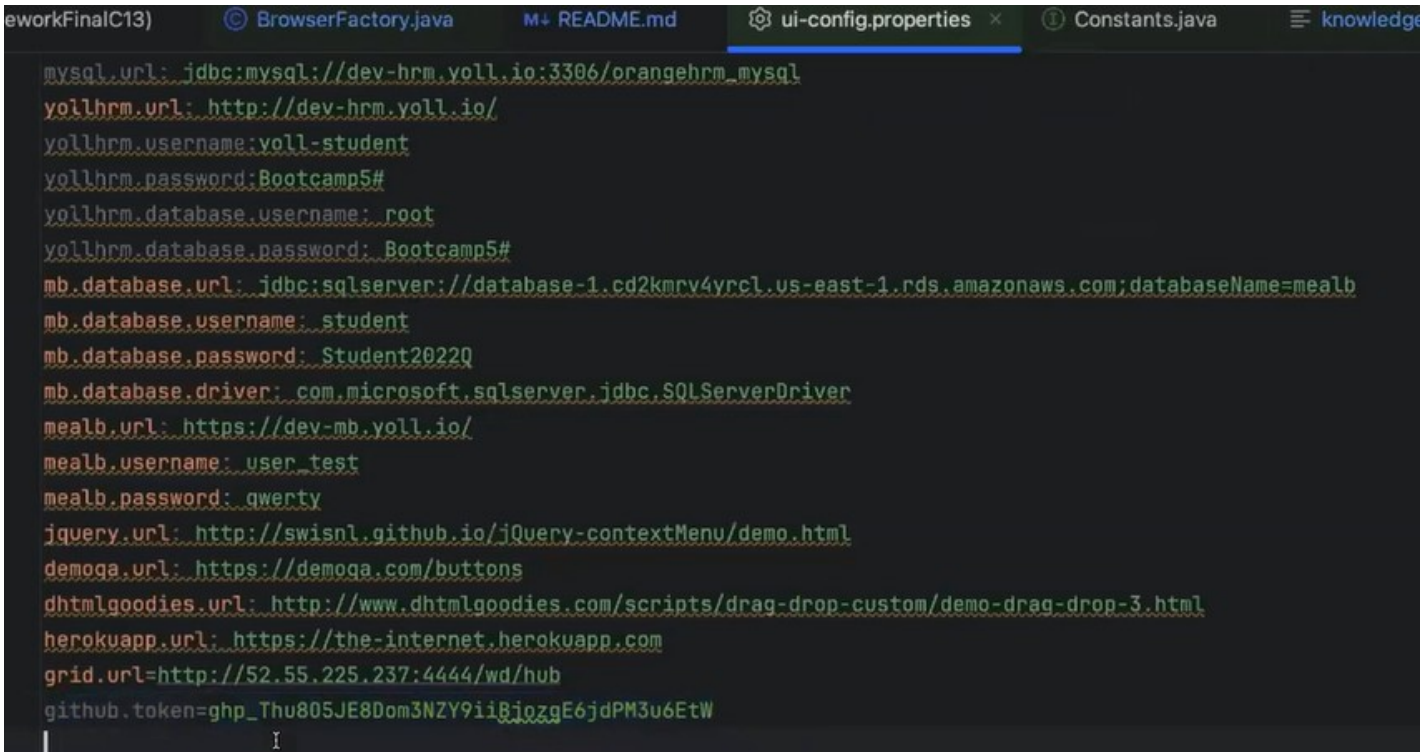




Copy the token, and save it:


Personal access tokens (classic)
Generate new token
Revoke all
Tokens you have generated that can be used to access the GitHub API.
Make sure to copy your personal access token now. You won't be able to see it again!
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
Delete

You can put it on ui-.config.properties



Create the final url :

Put the token after https of the gitHub url:

Put @ github

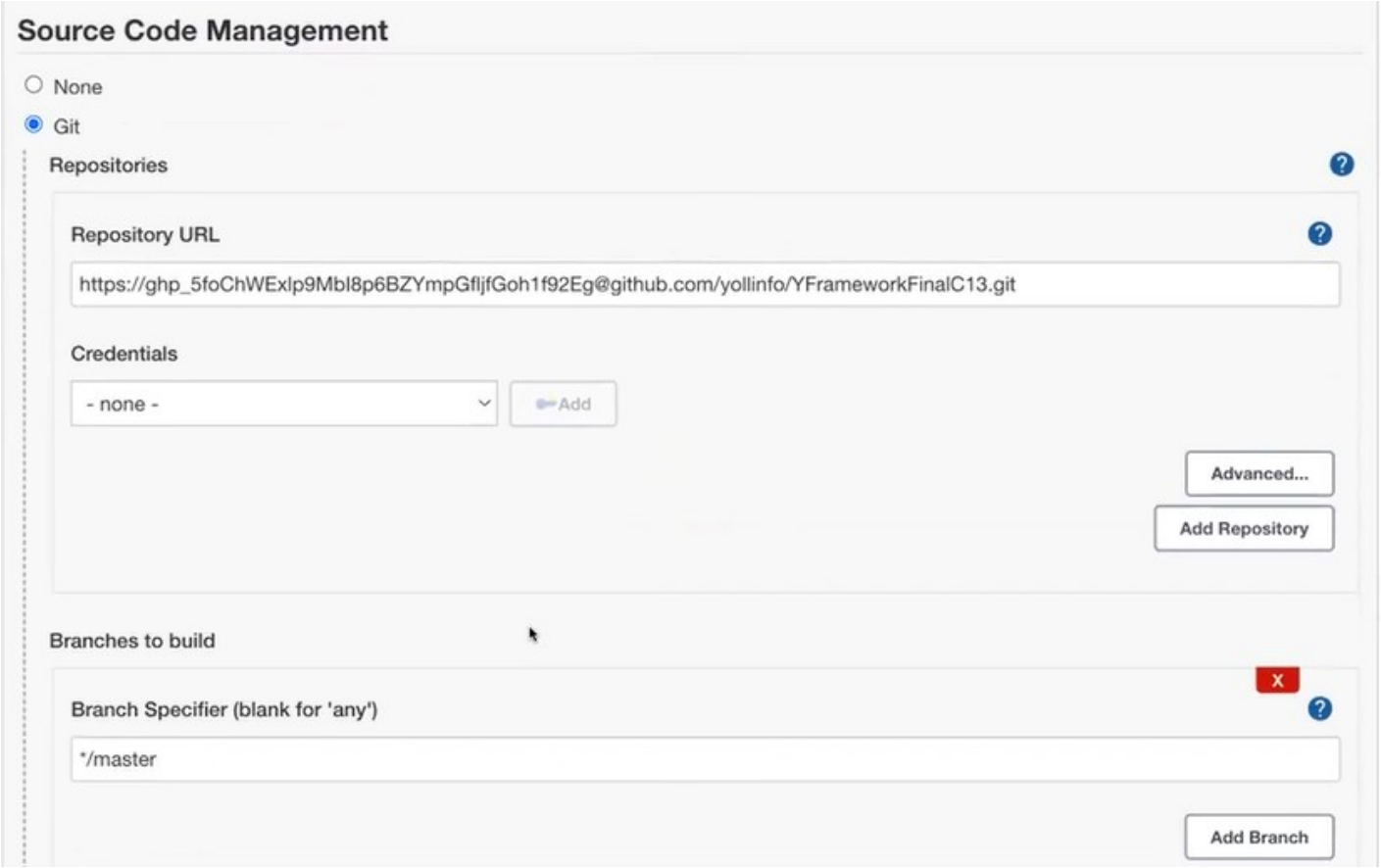
```
https://github.com/yollinfo/YFrameworkFinalC13.git

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

Create the final URL


https://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@github.com/yollinfo/YFrameworkFinalC13.git
```

Put the new url on REPOSITORY URL



Build Triggers: Build periodically

Use the cron :

Crontab.guru - The cron schedule expression generator

How to schedule the time ?

"At 06:00 on every day-of-week from Monday through Friday."

Run everyday at 6:00 AM
Minutes - Doesn't matter - *
Hour - 24 hr - 6
Day - doesn't matter *
Month - doesn't matter *
Range of days - - doesn't matter *

crontab guru

The quick and simple editor for cron schedule expressions by Cronitor

"At 06:00 on every day-of-week from Monday through Friday."

next at 2025-02-03 06:00:00

random

```
00 06 * * 1-5
```

minute	hour	day (month)	month	day (week)
		*	any value	
		,	value list separator	
		-	range of values	
		/	step values	
		0-6	allowed values	
		SUN-SAT	alternative single values	

Schedule

```
*6***
```

⚠ Do you really mean "every minute" when you say "* 6 * * *"? Perhaps you meant "H 6 * * *" to poll once per hour

Would last have run at Thursday, February 8, 2024 6:59:05 AM UTC; would next run at Friday, February 9, 2024 6:00:05 AM UTC.

```
H6***
```

Would last have run at Thursday, February 8, 2024 6:40:41 AM UTC; would next run at Friday, February 9, 2024 6:40:41 AM UTC.

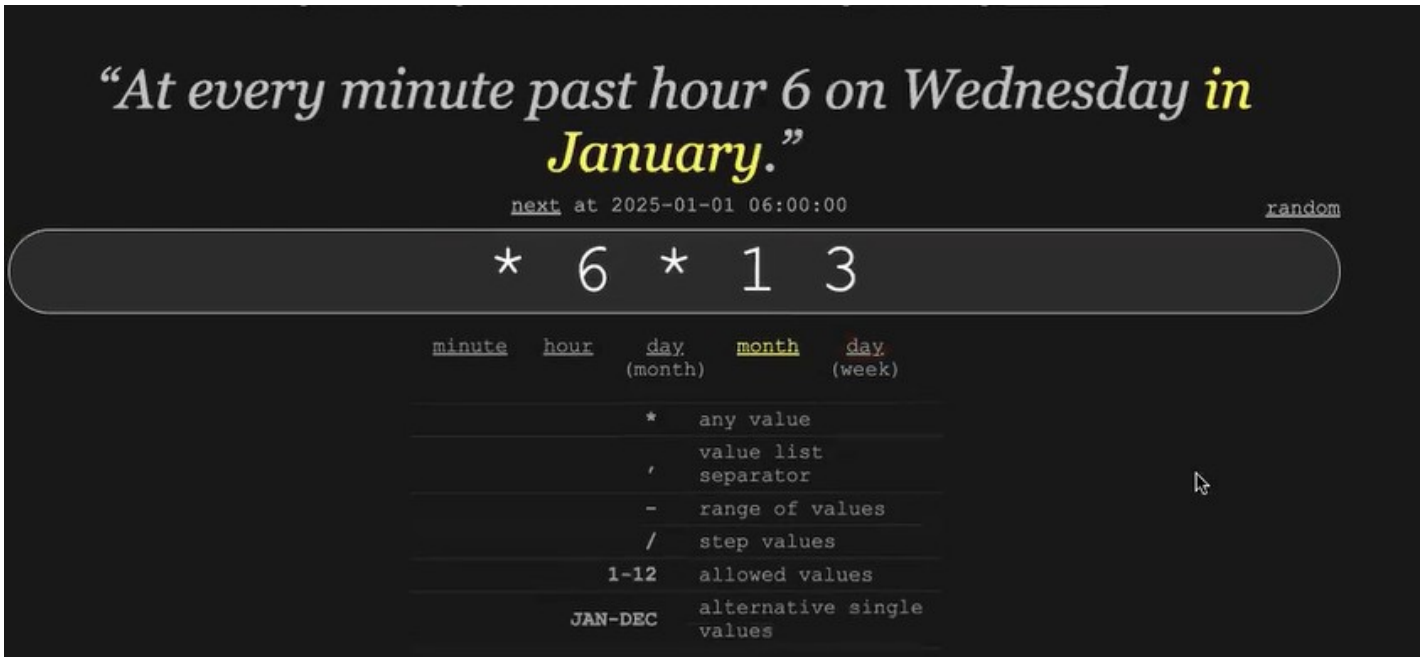
crontab guru
The quick and simple editor for cron schedule expressions by Cronitor
"At every minute past hour 6 on every day-of-week from Monday through Friday."
next at 2024-02-09 06:00:00
random
* 6 * * 1-5
minute hour day (month) month day (week)
* any value
value list

Schedule

H 6 * * 1-5

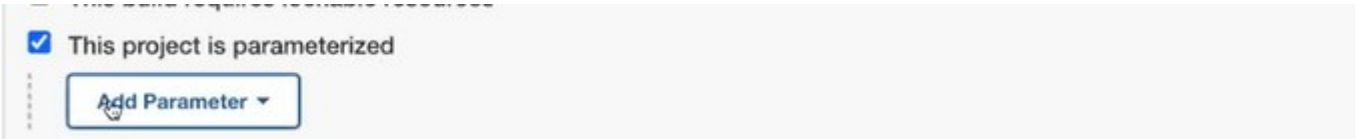
Would last have run at Thursday, February 8, 2024 6:58:49 AM UTC; would next run at Friday, February 9, 2024 6:58:49 AM UTC.

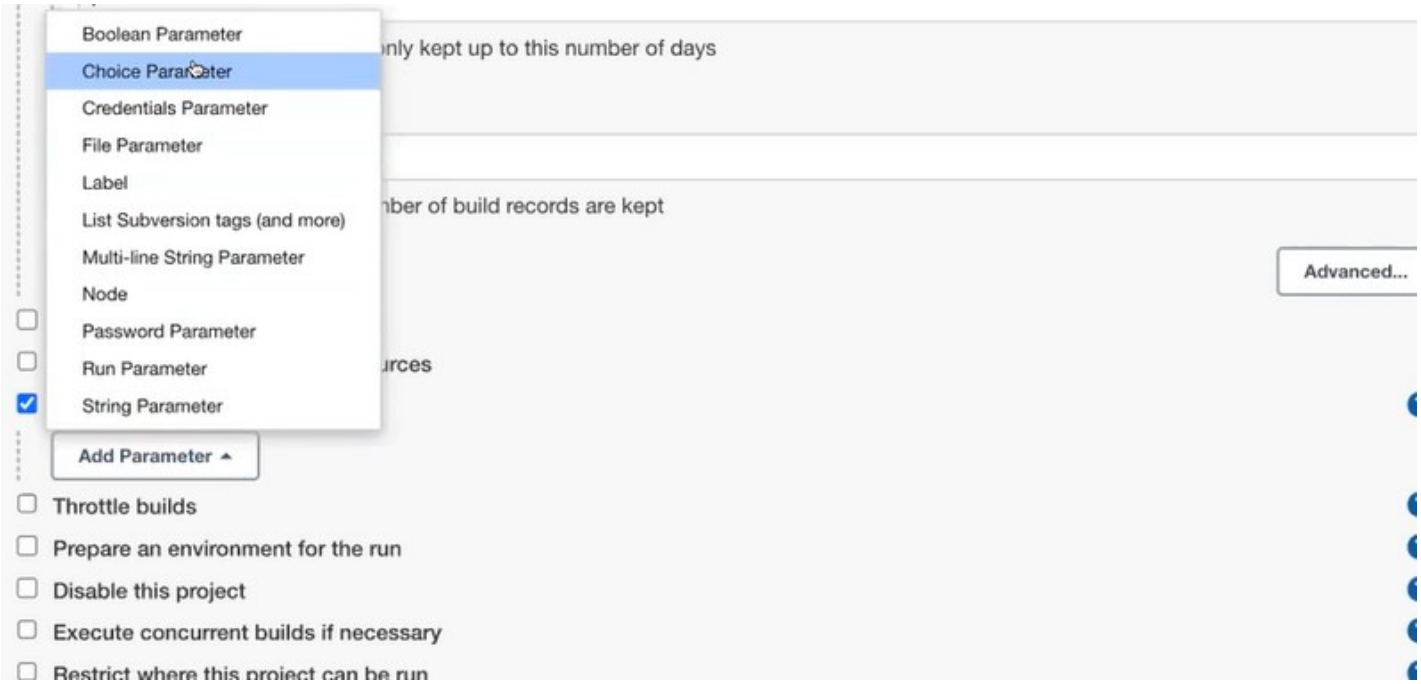
crontab guru
The quick and simple editor for cron schedule expressions by Cronitor
"At every minute past hour 6 on Sunday."
next at 2024-02-11 06:00:00
random
* 6 * * SUN
minute hour day (month) month day (week)


"At every minute past hour 6 on Wednesday in January."
next at 2025-01-01 06:00:00
random
* 6 * 1 3
minute hour day (month) month day (week)
* any value
, value list separator
- range of values
/ step values
1-12 allowed values
JAN-DEC alternative single values

"At 06:20 on day-of-month 4 and on every day-of-week from Monday through Friday."
next at 2024-02-09 06:20:00
random
20 6 4 * 1-5
minute hour day (month) month day (week)

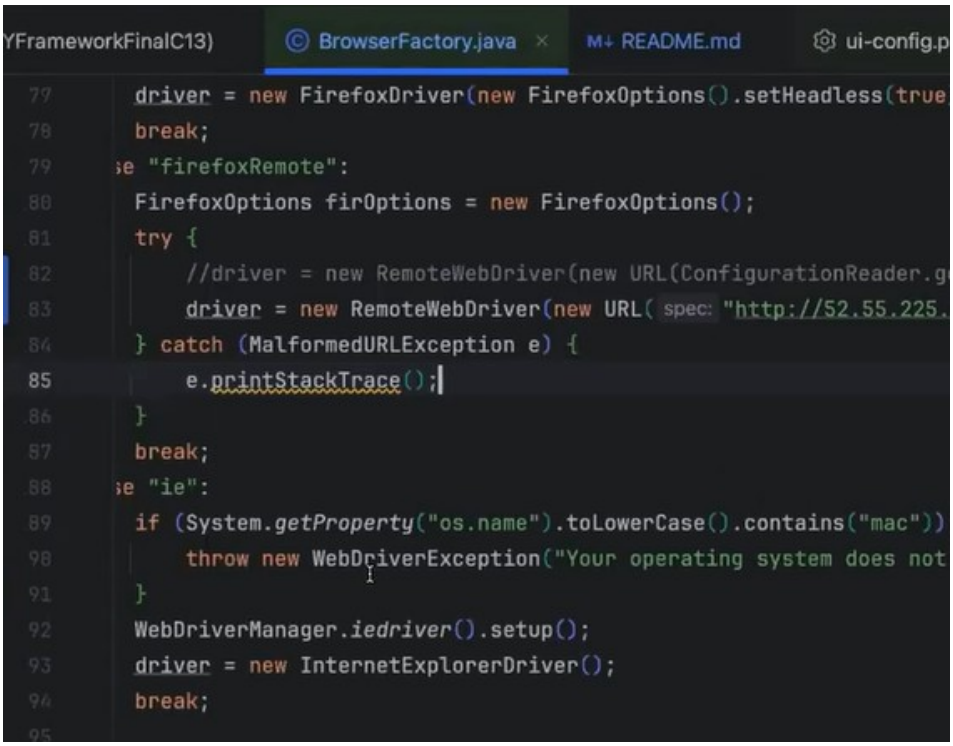
Choose parameter:



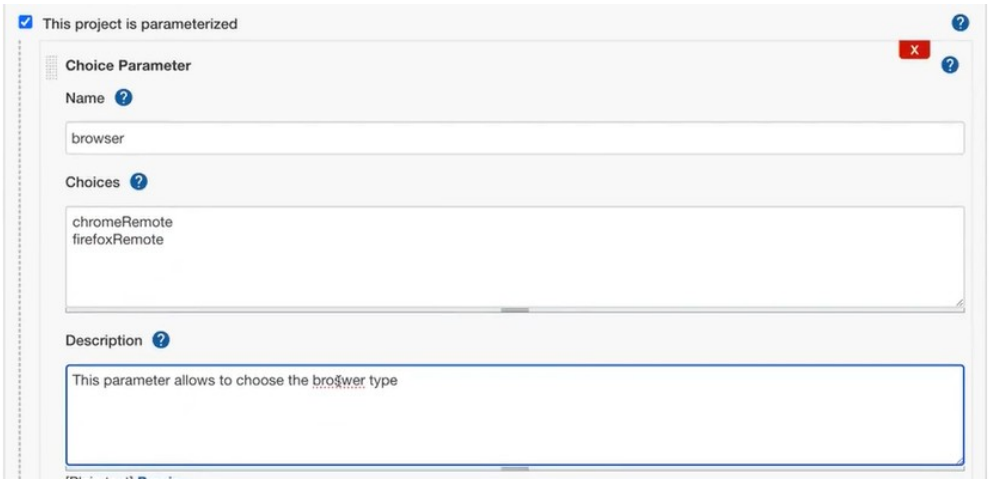


We put from BrowserFactory Java Class:

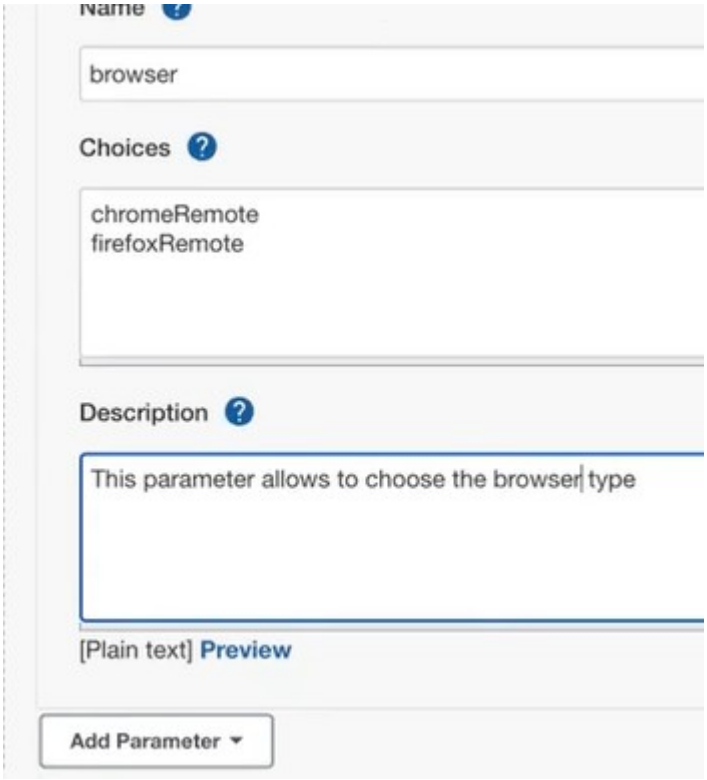
chromeRemote and firefoxRemote

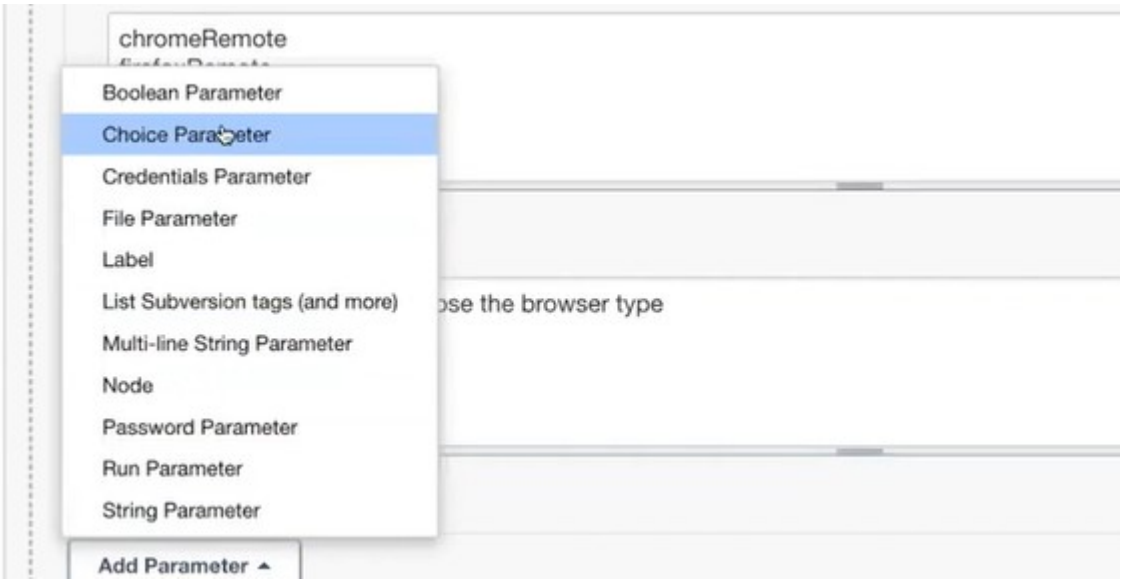


```
    break;
case "chromeRemote":
    HashMap<String, Object> chromePrefs = new HashMap<~>();
    String basePath = System.getProperty("user.dir");
    String filePath = Paths.get(basePath,  ...more: "src", "test", "resources", "test_
    chromePrefs.put("download.default_directory", filePath);
    ChromeOptions chrOptions = new ChromeOptions();
    chrOptions.addArguments("--ignore-ssl-errors=yes");
    chrOptions.addArguments("--ignore-certificate-errors");
    chrOptions.setExperimentalOption( name: "prefs", chromePrefs);
    try {
        //driver = new RemoteWebDriver(new URL(ConfigurationReader.getProperty(Cons
        driver = new RemoteWebDriver(new URL( spec: "http://52.55.225.237:4444/wd/hub
```



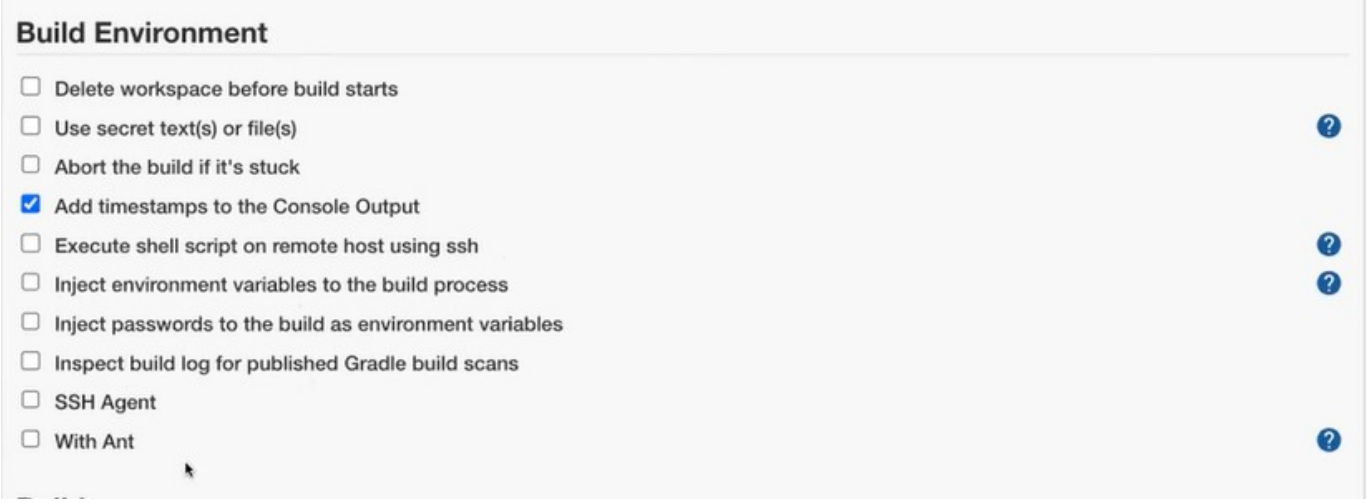
*******Add Parameter





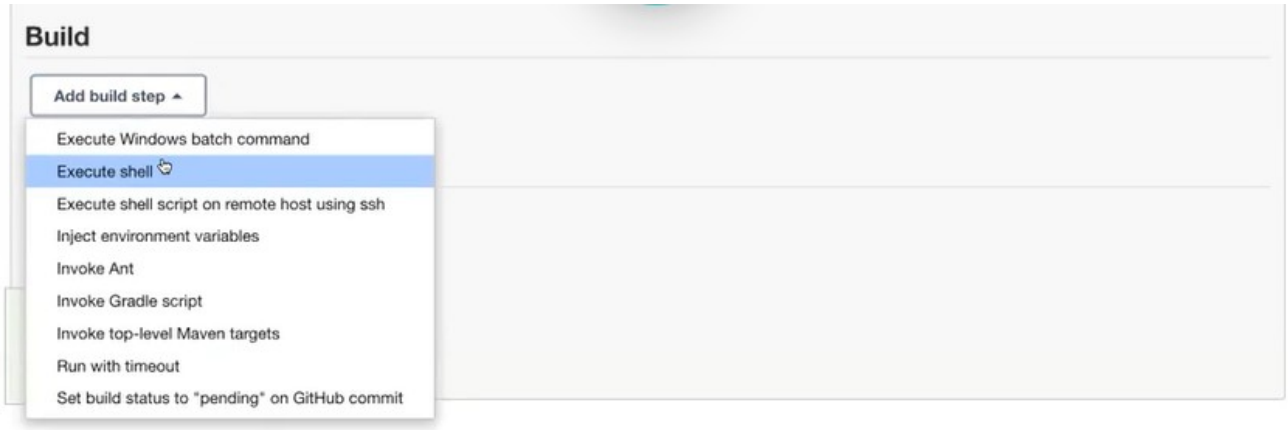
Put regression, smoke, login, and the description:

Build environment


Build Environment
Delete workspace before build starts
Use secret text(s) or file(s)
Abort the build if it's stuck
Add timestamps to the Console Output
Execute shell script on remote host using ssh
Inject environment variables to the build process
Inject passwords to the build as environment variables
Inspect build log for published Gradle build scans
SSH Agent
With Ant

Build

Execute from shell



Execute this command. You can choose @regression or any tag

```
mvn clean verify "-Dtest=runners.UITestRunner" "-Dbrowser=chromeRemote" "-Dcucumber.options= --tags @regression"
```

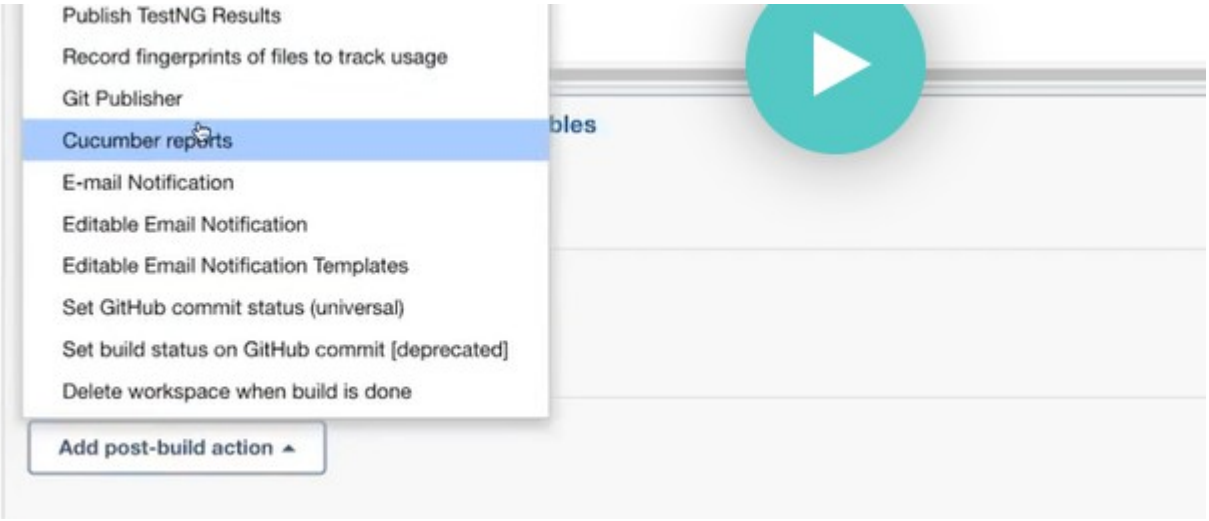
Another way after *******Add Parameter :

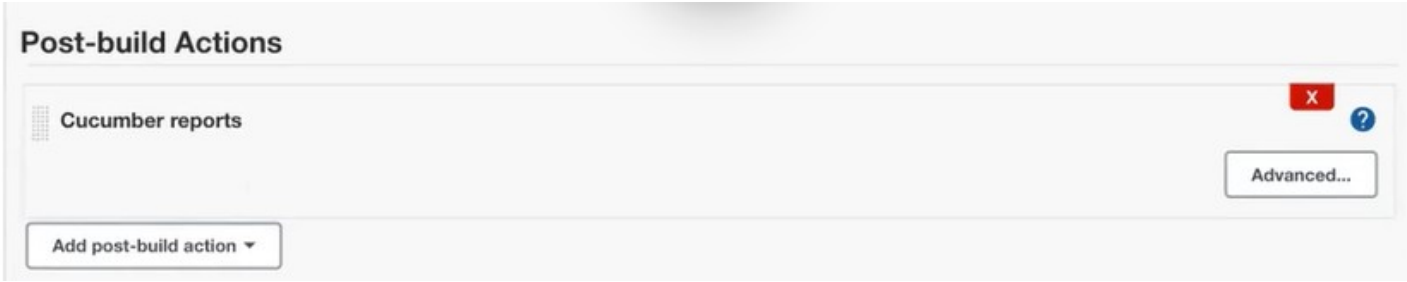
Put : $ sign for the browser and tag :

```
"-Dbrowser=$browser" --tags @$tag"
```

Post-build Actions:

Add Cucumber reports

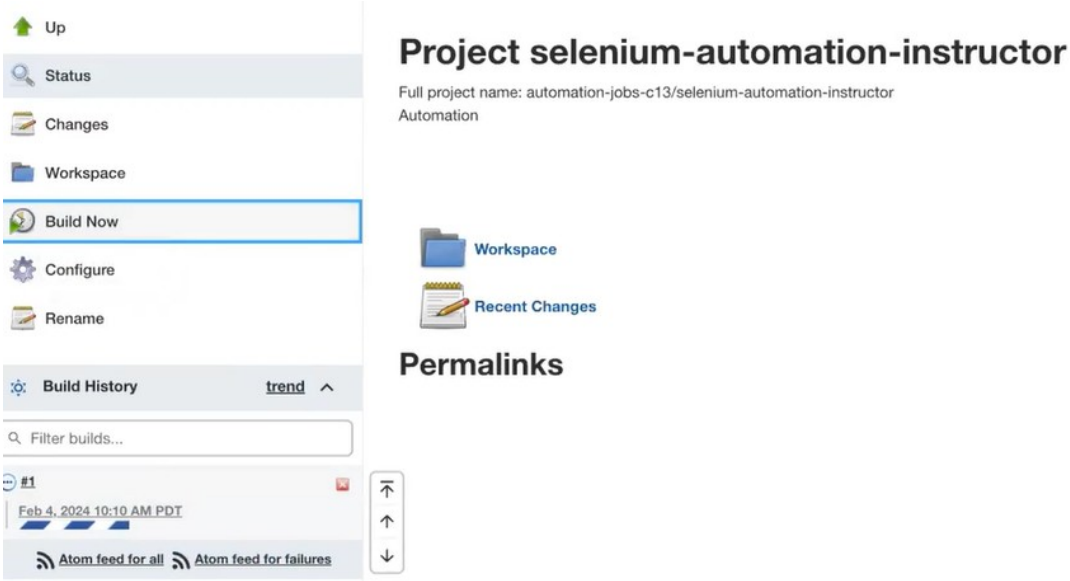

Publish TestNG Results
Record fingerprints of files to track usage
Git Publisher
Cucumber reports
E-mail Notification
Editable Email Notification
Editable Email Notification Templates
Set GitHub commit status (universal)
Set build status on GitHub commit [deprecated]
Delete workspace when build is done
Add post-build action



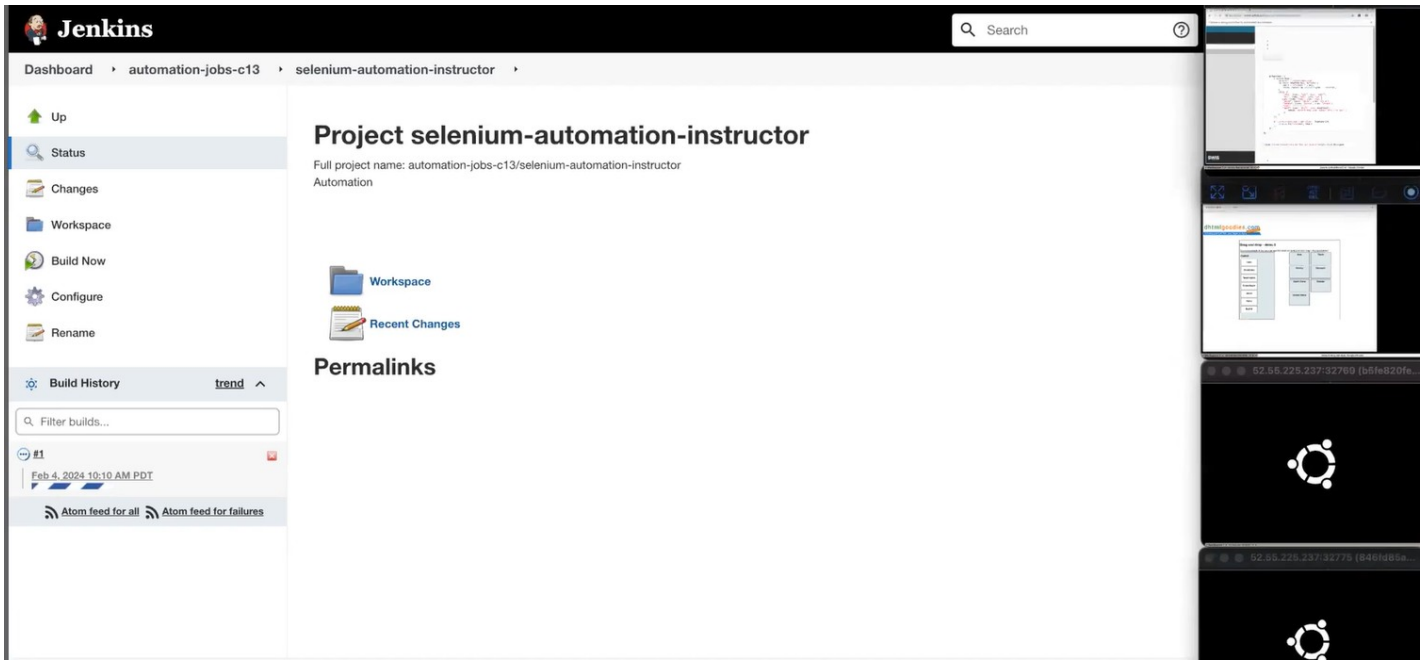
Click Apply and save.

How to trigger a build ?

Click on BUILD NOW



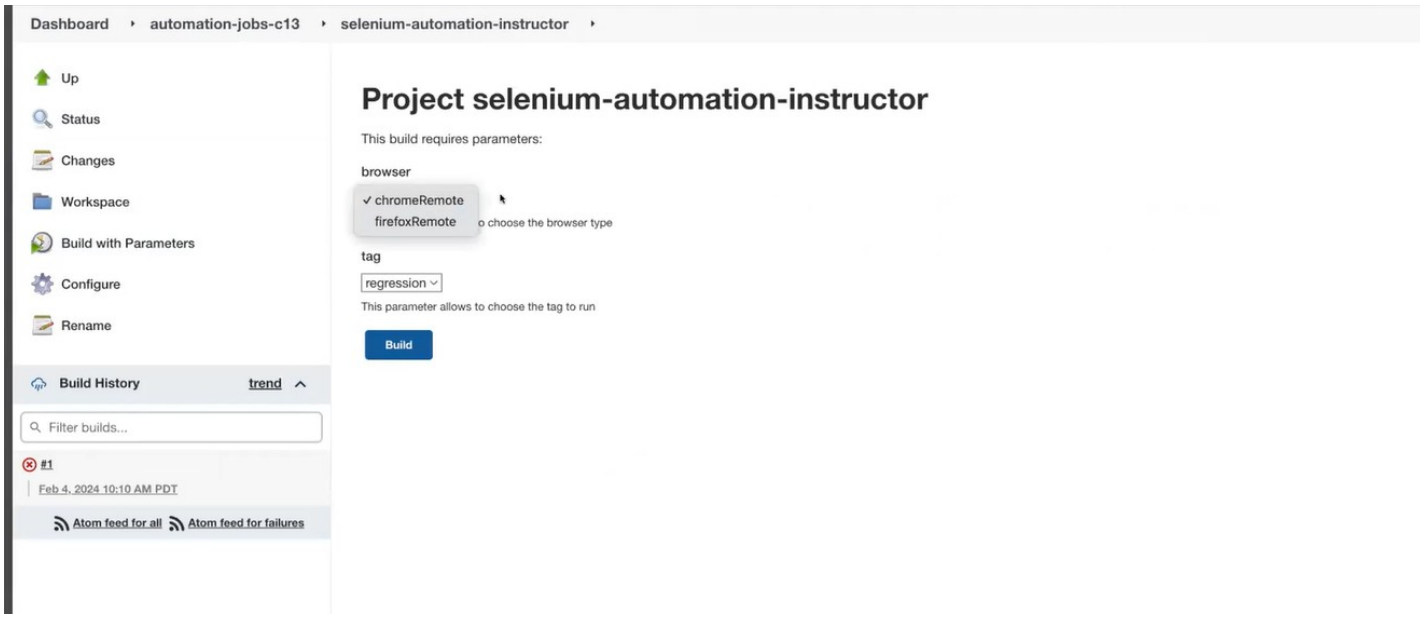
Then you can see the exection running:



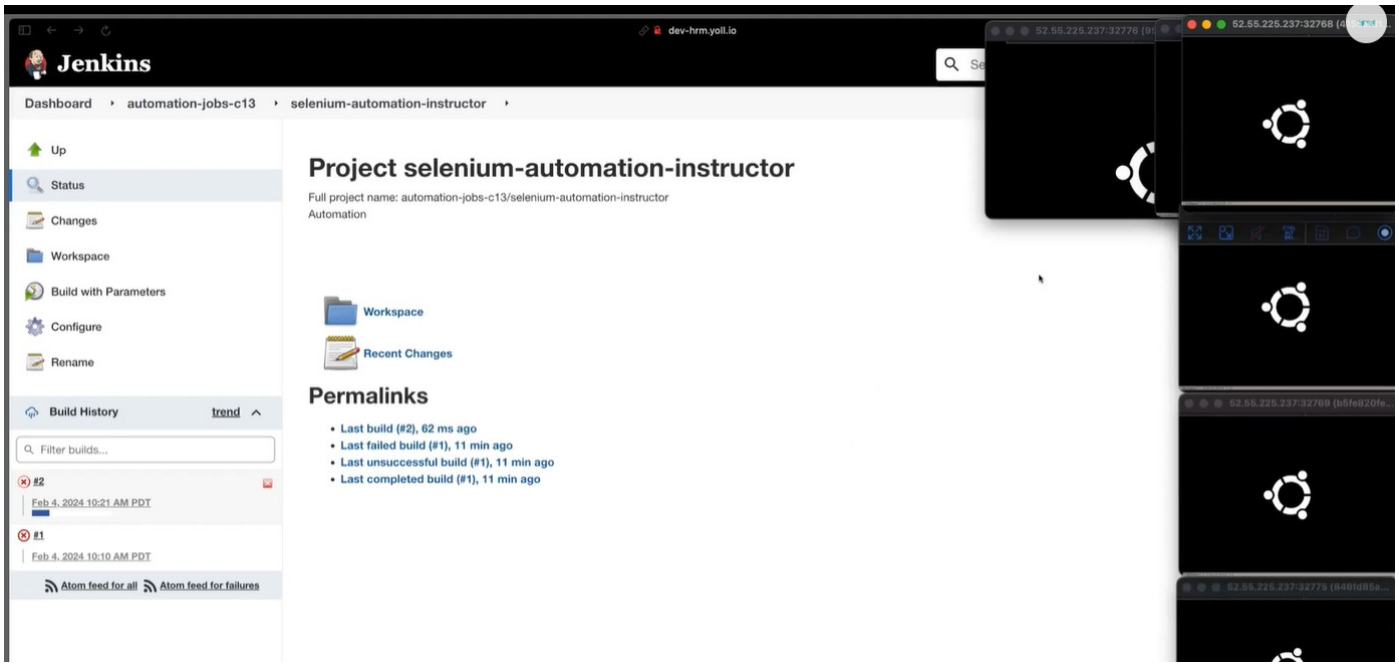
Another way after using the parameters of browser and tag:

```
mvn clean verify "-Dtest=runners.UITestRunner" "-Dbrowser=$browser" "-Dcucumber.options= --tags @$tag"
```

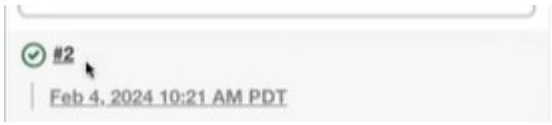
Click on Build with Parameters: it gives me the choice between chromeRemote and firefoxRemote, also the choice of the tag: regression, smoke and login.



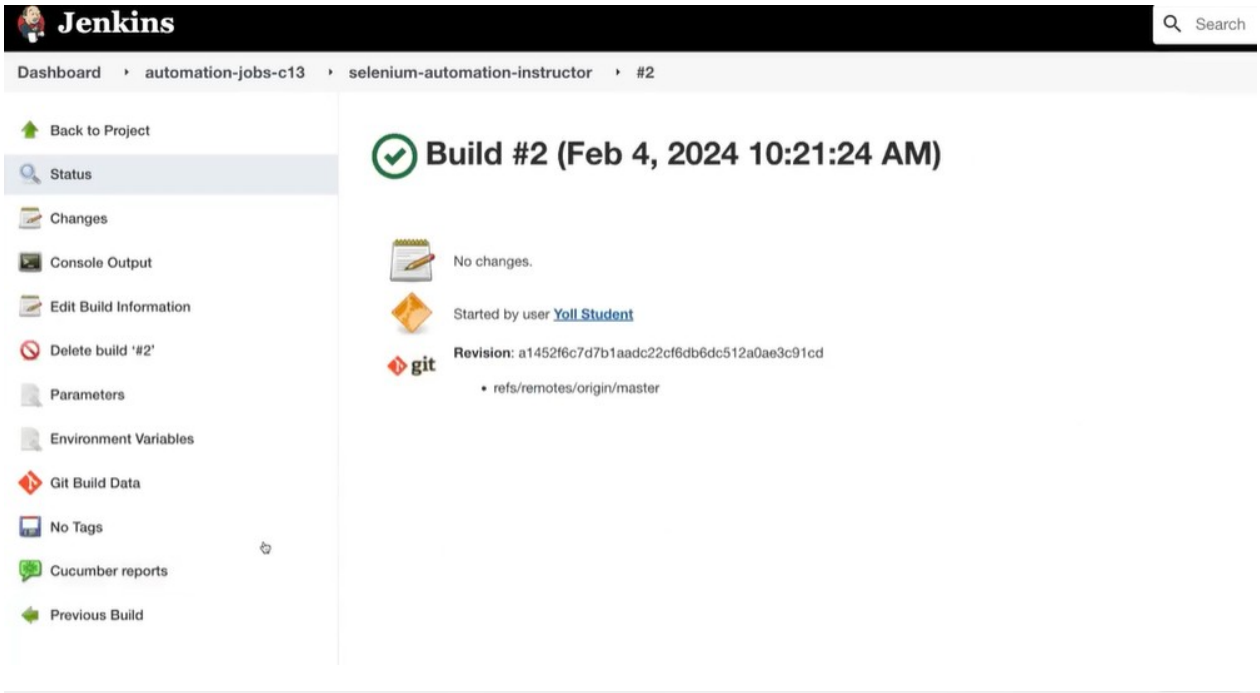
Click on Build



After finishing the execution, click on the link (left bottom)



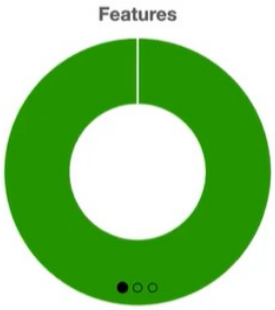
Click on Cucumber reports:



Project	Number	Date
selenium-automation-instructor	2	04 Feb 2024, 18:22

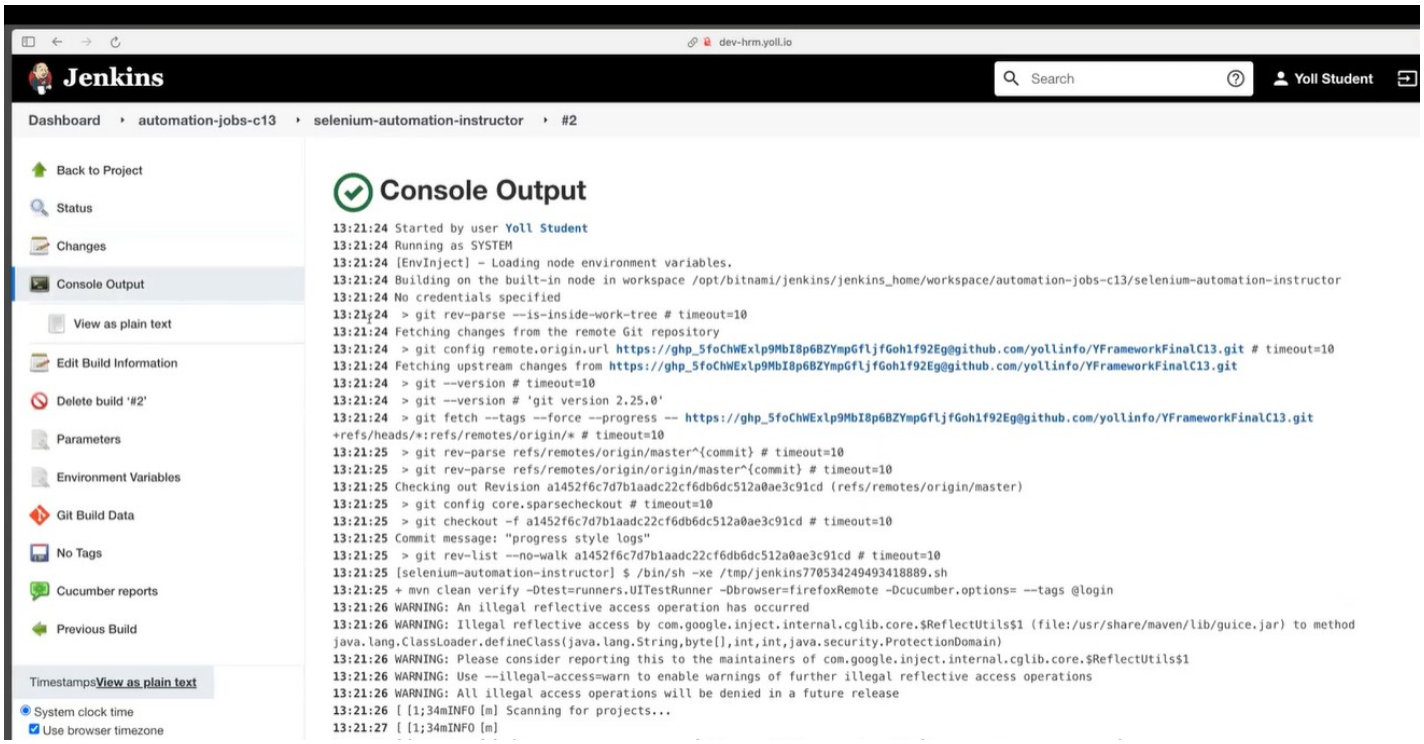
Features Statistics

The following graphs show passing and failing statistics for features



	Steps						Scenarios			Features	
Feature	Passed	Failed	Skipped	Pending	Undefined	Total	Passed	Failed	Total	Duration	Status
User Login Process	12	0	0	0	0	12	4	0	4	4.231	Passed
	12	0	0	0	0	12	4	0	4	4.231	1
	100.00%	0.00%	0.00%	0.00%	0.00%		100.00%	0.00%			100.00%

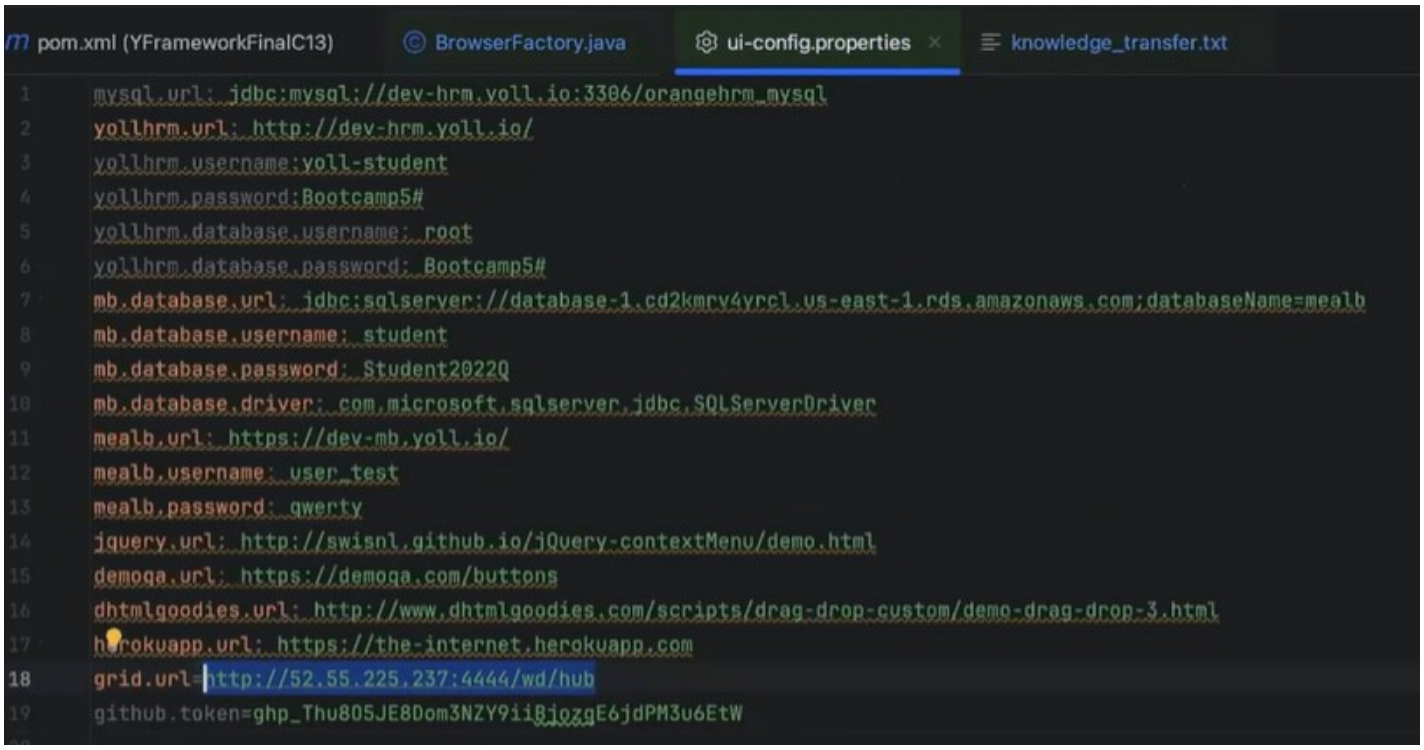
Click on Console Output to see the LOG

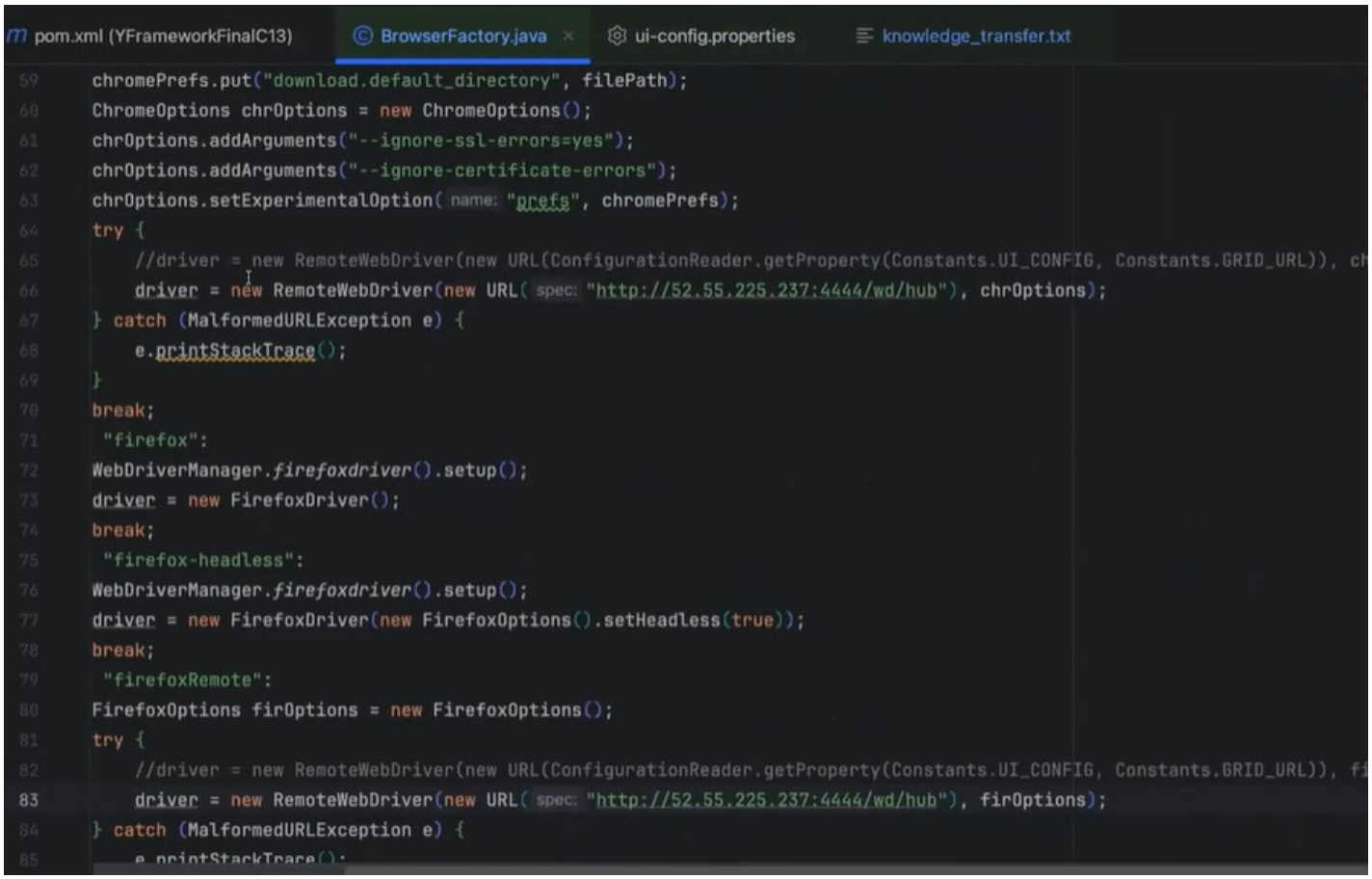

dev-hrm.yoll.io
Jenkins
Search
Yoll Student
Dashboard › automation-jobs-c13 › selenium-automation-instructor › #2
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#2'
Parameters
Environment Variables
Git Build Data
No Tags
Cucumber reports
Previous Build
Timestamps View as plain text
System clock time
Use browser timezone
Console Output
13:21:24 Started by user Yoll Student
13:21:24 Running as SYSTEM
13:21:24 [EnvInject] - Loading node environment variables.
13:21:24 Building on the built-in node in workspace /opt/bitnami/jenkins/jenkins_home/workspace/automation-jobs-c13/selenium-automation-instructor
13:21:24 No credentials specified
13:21:24 > git rev-parse --is-inside-work-tree # timeout=10
13:21:24 Fetching changes from the remote Git repository
13:21:24 > git config remote.origin.url https://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@github.com/yollinfo/YFrameworkFinalC13.git # timeout=10
13:21:24 Fetching upstream changes from https://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@github.com/yollinfo/YFrameworkFinalC13.git
13:21:24 > git --version # timeout=10
13:21:24 > git --version # 'git version 2.25.0'
13:21:24 > git fetch --tags --force --progress -- https://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@github.com/yollinfo/YFrameworkFinalC13.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
13:21:25 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
13:21:25 > git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
13:21:25 Checking out Revision a1452f6c7d7b1aadc22cf6db6dc512a0ae3c91cd (refs/remotes/origin/master)
13:21:25 > git config core.sparsecheckout # timeout=10
13:21:25 > git checkout -f a1452f6c7d7b1aadc22cf6db6dc512a0ae3c91cd # timeout=10
13:21:25 Commit message: "progress style logs"
13:21:25 > git rev-list --no-walk a1452f6c7d7b1aadc22cf6db6dc512a0ae3c91cd # timeout=10
13:21:25 [selenium-automation-instructor] $ /bin/sh -xe /tmp/jenkins7705342494934188889.sh
13:21:25 + mvn clean verify -Dtest=runners.UITestRunner -Dbrowser=firefoxRemote -Dcucumber.options= --tags @login
13:21:26 WARNING: An illegal reflective access operation has occurred
13:21:26 WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1 (file:/usr/share/maven/lib/guice.jar) to method
java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
13:21:26 WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
13:21:26 WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
13:21:26 WARNING: All illegal access operations will be denied in a future release
13:21:26 [[1;34mINFO [m] Scanning for projects...
13:21:27 [[1;34mINFO [m]

You can see the command firefoxRemote and tag that you have chosen before:

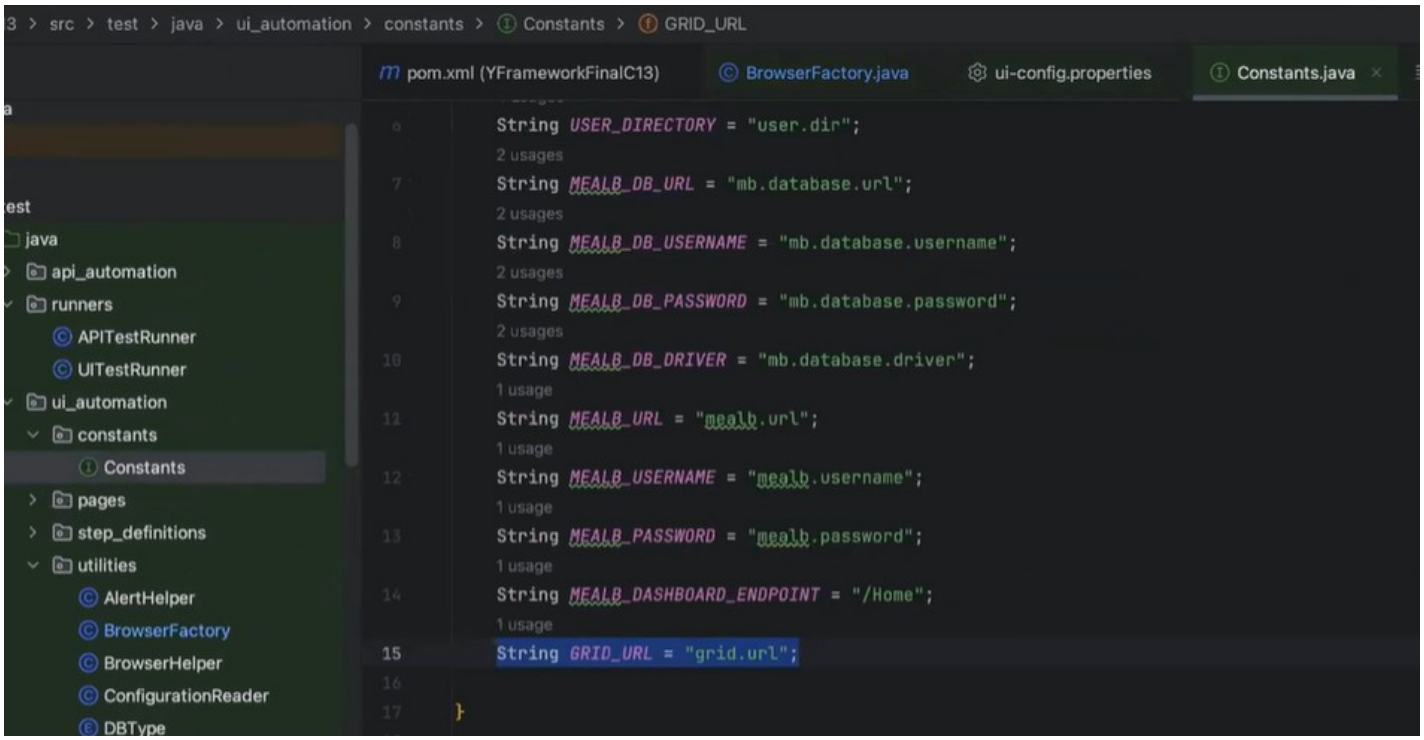
```
13:21:25 [selenium-automation-instructor] $ /bin/sh -xe /tmp/jenkins7705342494934188889.sh
13:21:25 + mvn clean verify -Dtest=runners.UITestRunner -Dbrowser=firefoxRemote -Dcucumber.options= --tags @login
13:21:26 WARNING: An illegal reflective access operation has occurred
```

In BrowserFactory, put the grid.url address on remoteDriver





In Constants file:



It can be like that after using the constants file:

```
(C13)  BrowserFactory.java  ui-config.properties  Constants.java  knowledge_transfer.txt
        chrOptions.setExperimentalOption( name: "prefs", chromePrefs);
        try {
            driver = new RemoteWebDriver(new URL(ConfigurationReader.getProperty(Constants.UI_CONFIG, Constants.GRID_URL)), chrOptions);
            driver = new RemoteWebDriver(new URL( spec: "http://52.55.225.237:4444/wd/hub"), chrOptions);
        } catch (MalformedURLException e) {
            e.printStackTrace();
        }
        break;
    case "firefox":
        WebDriverManager.firefoxdriver().setup();
        driver = new FirefoxDriver();
        break;
    case "firefox-headless":
        WebDriverManager.firefoxdriver().setup();
        driver = new FirefoxDriver(new FirefoxOptions().setHeadless(true));
        break;
    case "firefoxRemote":
        FirefoxOptions firOptions = new FirefoxOptions();
        try {
            //driver = new RemoteWebDriver(new URL(ConfigurationReader.getProperty(Constants.UI_CONFIG, Constants.GRID_URL)), firOptions);
            driver = new RemoteWebDriver(new URL( spec: "http://52.55.225.237:4444/wd/hub"), firOptions);
        } catch (MalformedURLException e) {
            e.printStackTrace();
        }
```

//////////////////

In AWS Console : (Testers do not need to use it)

```
us-east-1.console.aws.amazon.com
aws  Services  Search  [Option+S]
Last login: Sun Feb  4 13:27:47 2024 from ec2-18-206-107-28.compute-1.amazonaws.com

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
162 package(s) needed for security, out of 226 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-47-8 ~]$ ls
sel-grid
[ec2-user@ip-172-31-47-8 ~]$ cd sel-grid
[ec2-user@ip-172-31-47-8 sel-grid]$ ls
docker-compose.yml
[ec2-user@ip-172-31-47-8 sel-grid]$
```

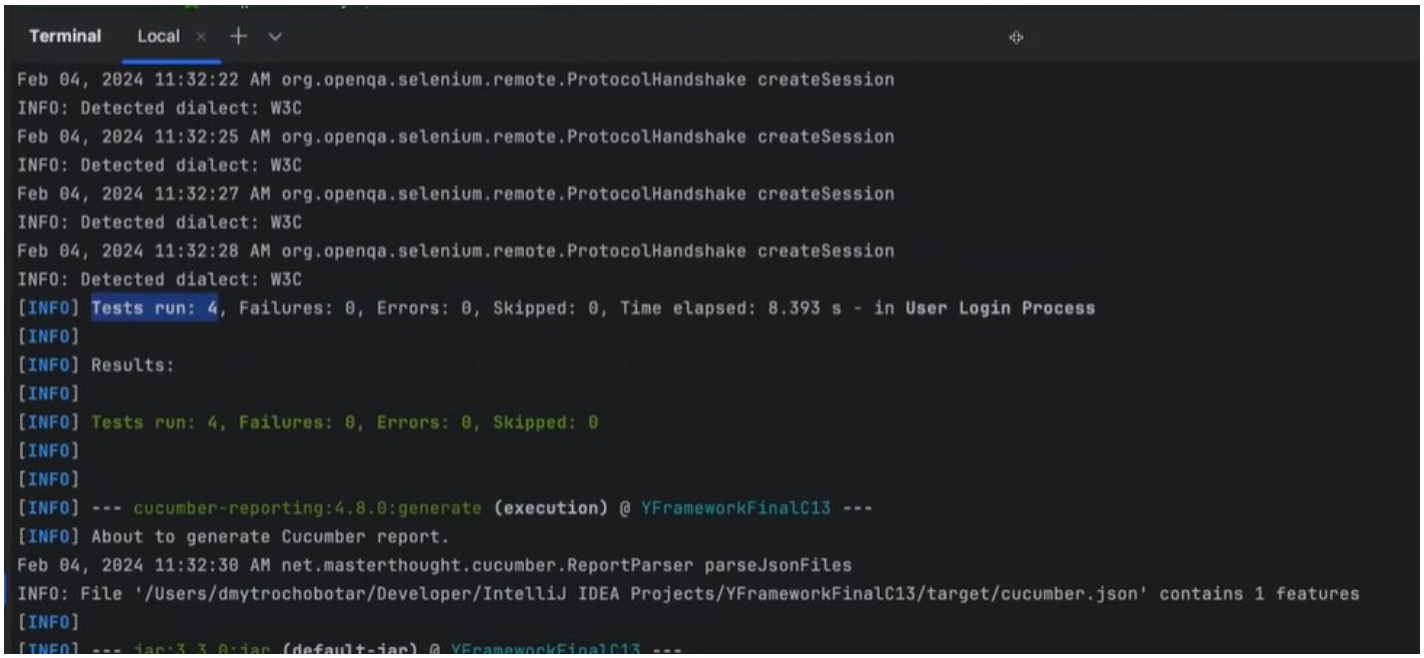
/////////

Run the command on the Terminal:

```
mvn clean verify "-Dtest=runners.UITestRunner" "-Dbrowser=chromeRemote" "-Dcucumber.options= --tags @regression"
```

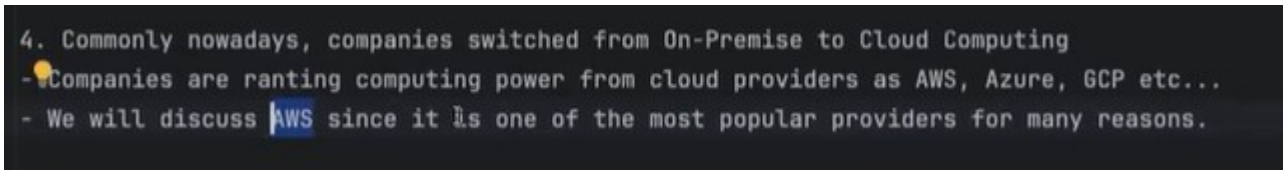
```
Terminal  Local
[INFO] ------------------------------------------------------------------------
→ YFrameworkFinalC13 git:(master) ✗ mvn clean verify "-Dtest=runners.UITestRunner" "-Dbrowser=chromeRemote" "-Dcucumber.options= --tags @regression"
```

Result:


Terminal
Local
Feb 04, 2024 11:32:22 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Feb 04, 2024 11:32:25 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Feb 04, 2024 11:32:27 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Feb 04, 2024 11:32:28 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
[INFO] Tests run: 4, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 8.393 s - in User Login Process
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 4, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- cucumber-reporting:4.8.0:generate (execution) @ YFrameworkFinalC13 ---
[INFO] About to generate Cucumber report.
Feb 04, 2024 11:32:30 AM net.masterthought.cucumber.ReportParser parseJsonFiles
INFO: File '/Users/dmytrochobotar/Developer/IntelliJ IDEA Projects/YFrameworkFinalC13/target/cucumber.json' contains 1 features
[INFO]

AWS

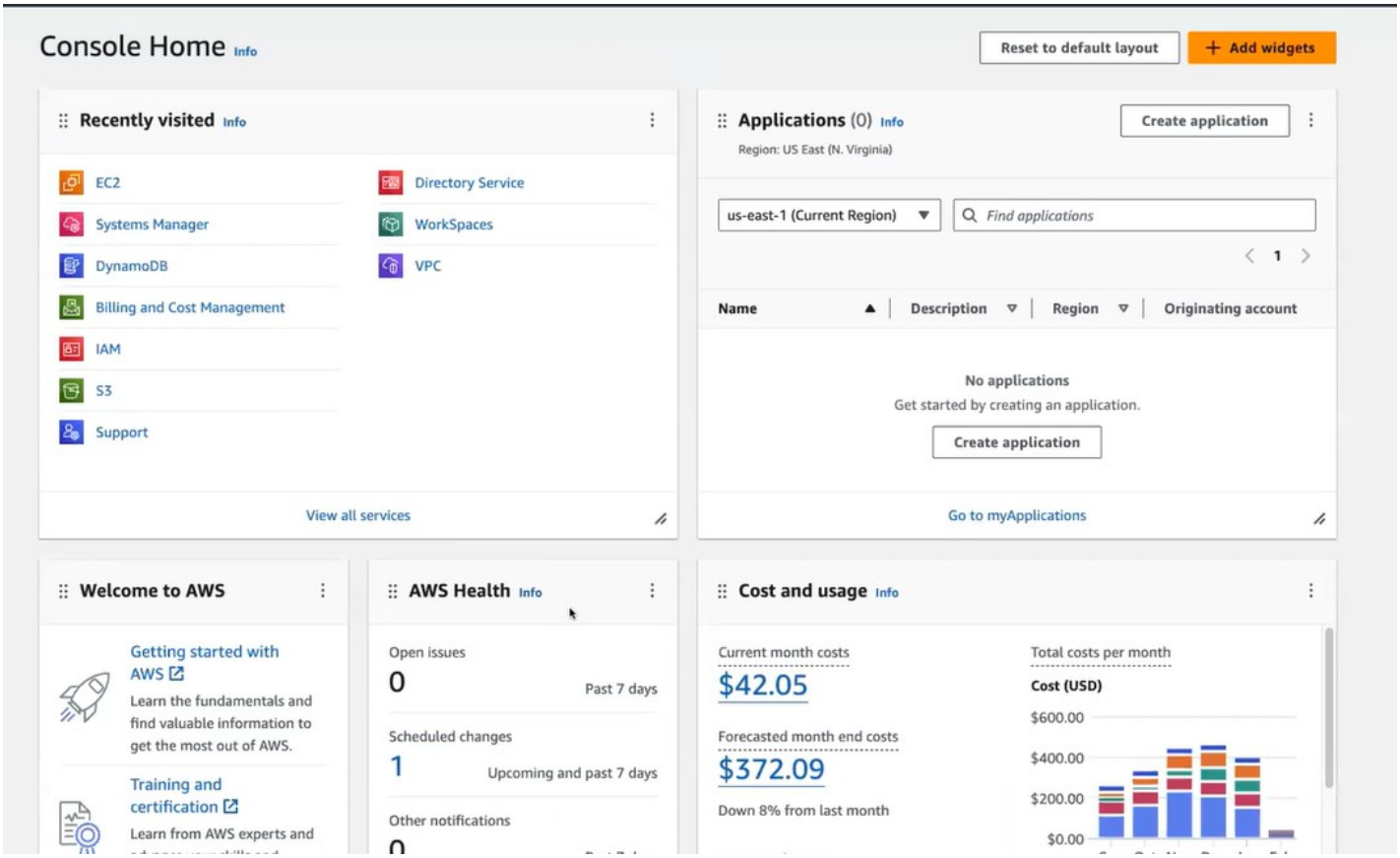
We do not use it as a testers because we do nothave access to it. Only for DevOps.


4. Commonly nowadays, companies switched from On-Premise to Cloud Computing
- Companies are ranting computing power from cloud providers as AWS, Azure, GCP etc...
- We will discuss AWS since it is one of the most popular providers for many reasons.

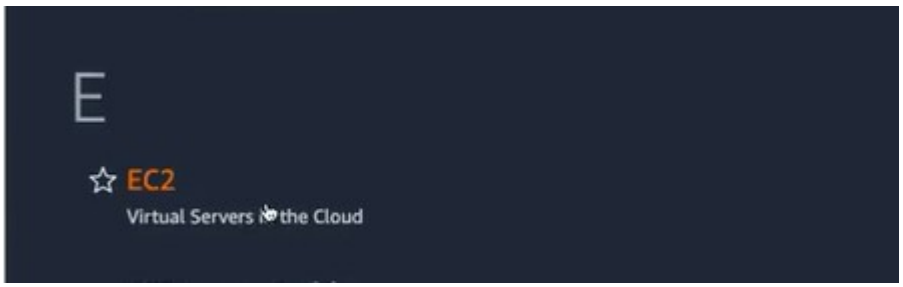
us-east-1.console.aws.amazon.com

use aws console need to be paid

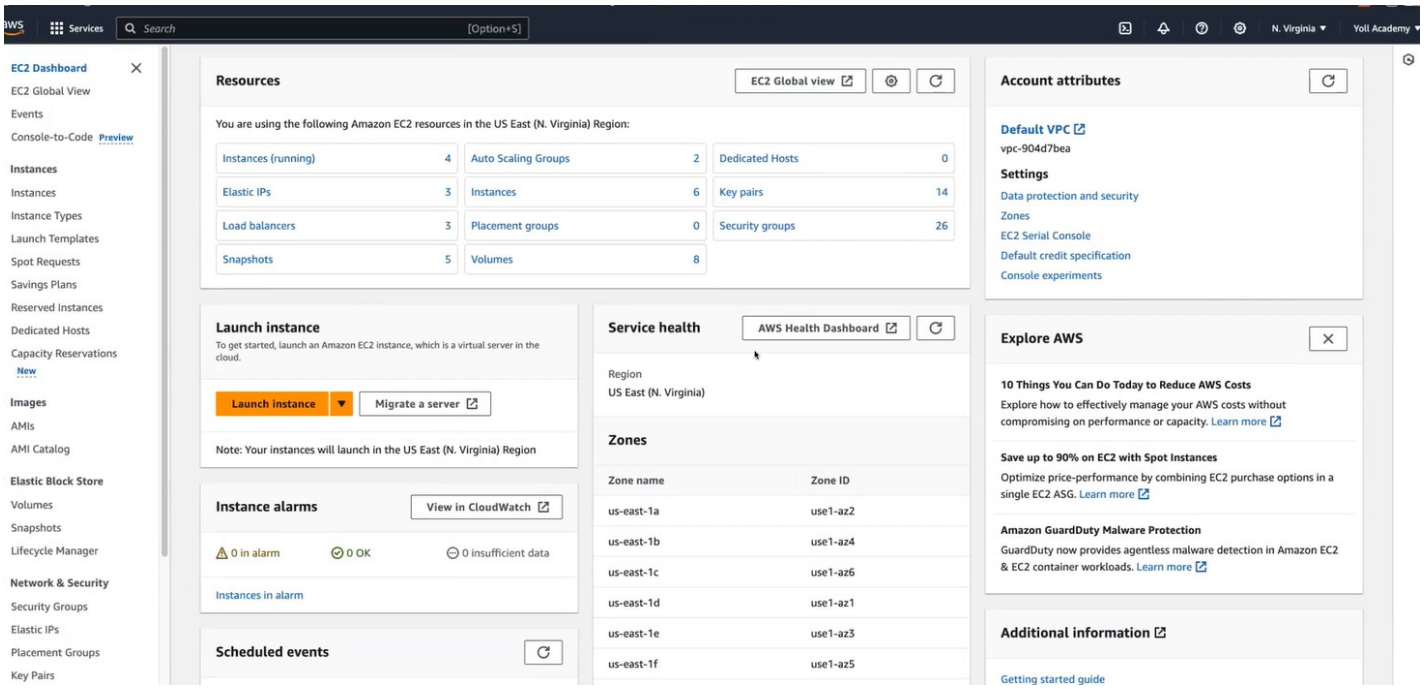
Example of Yoll Academy :



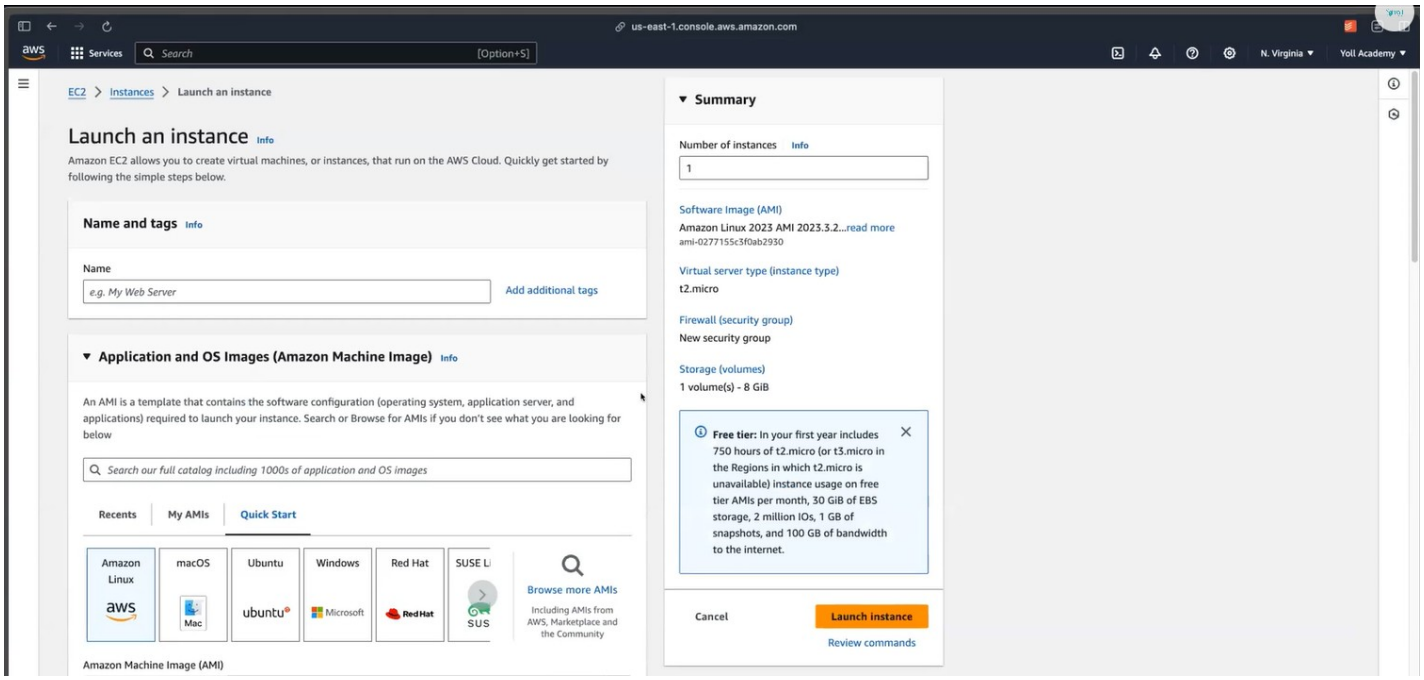
Choose EC2

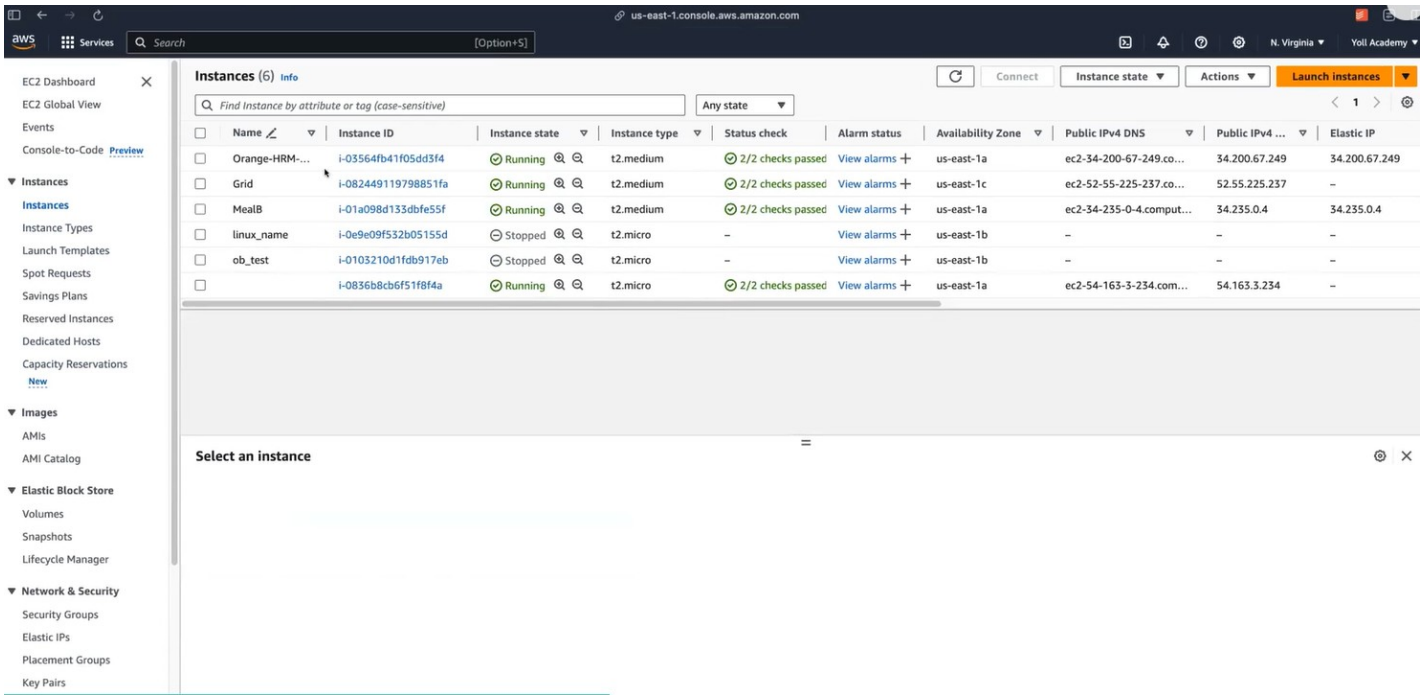


EC2 Dashboard:

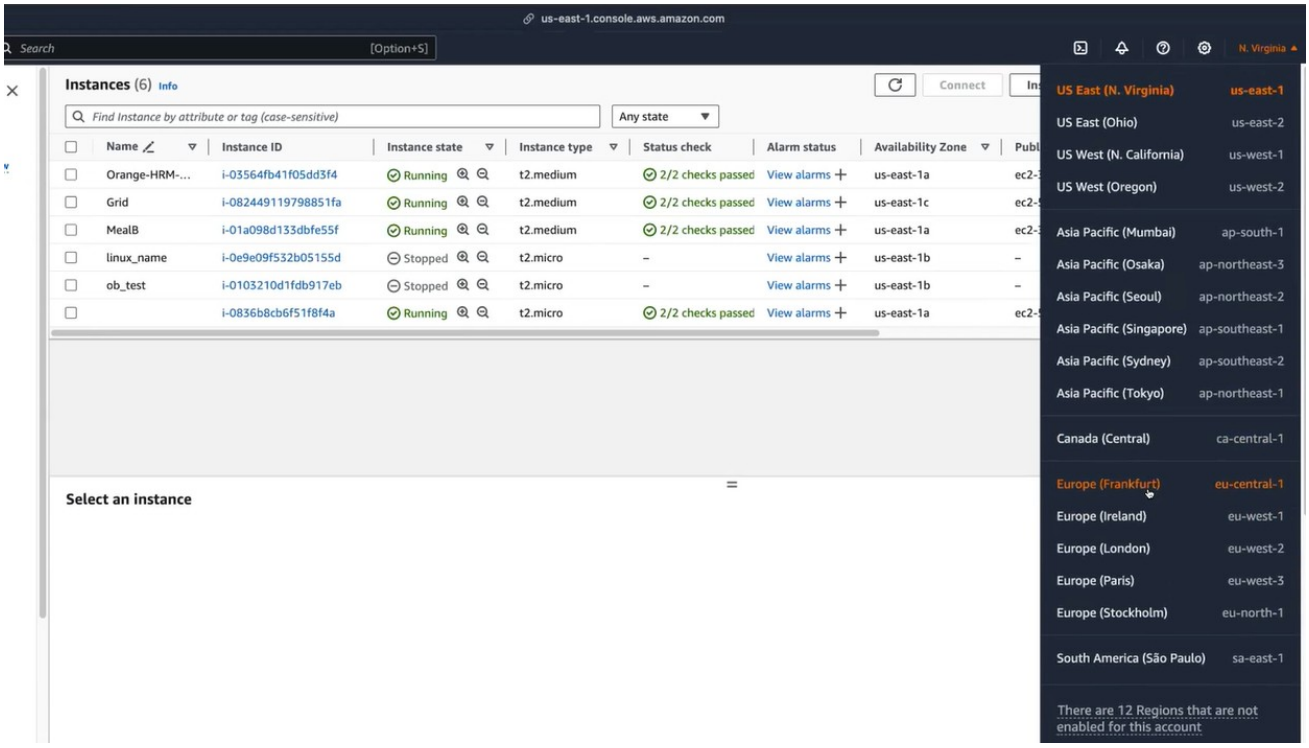


Launch instance

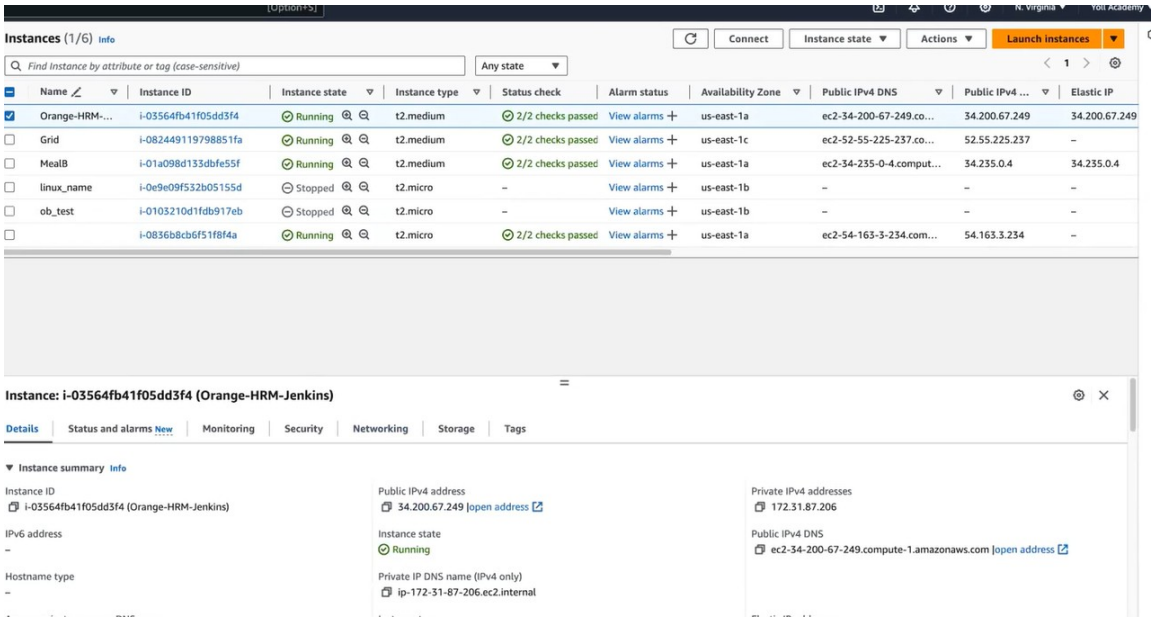

us-east-1.console.aws.amazon.com
Services
Search
[Option+S]
N. Virginia
Yoll Academy
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
e.g. My Web Server
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
My AMIs
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.3.2...read more
ami-0277155c3f0ab2930
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.
Cancel
Launch instance
Review commands

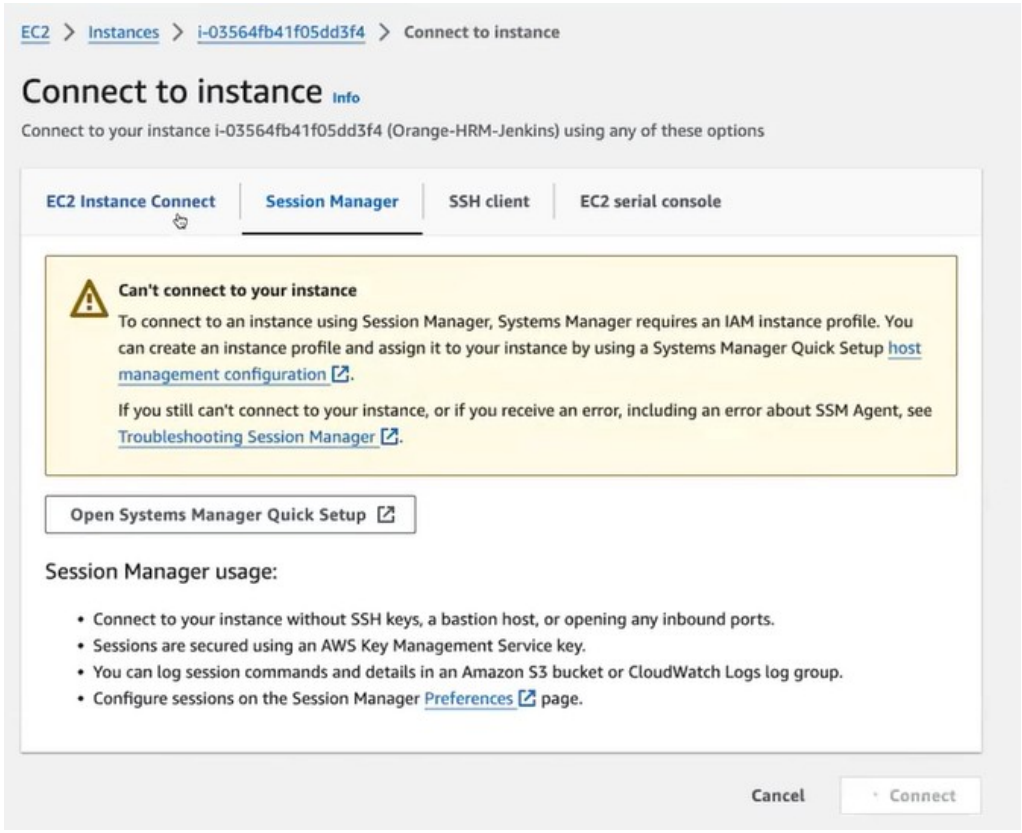


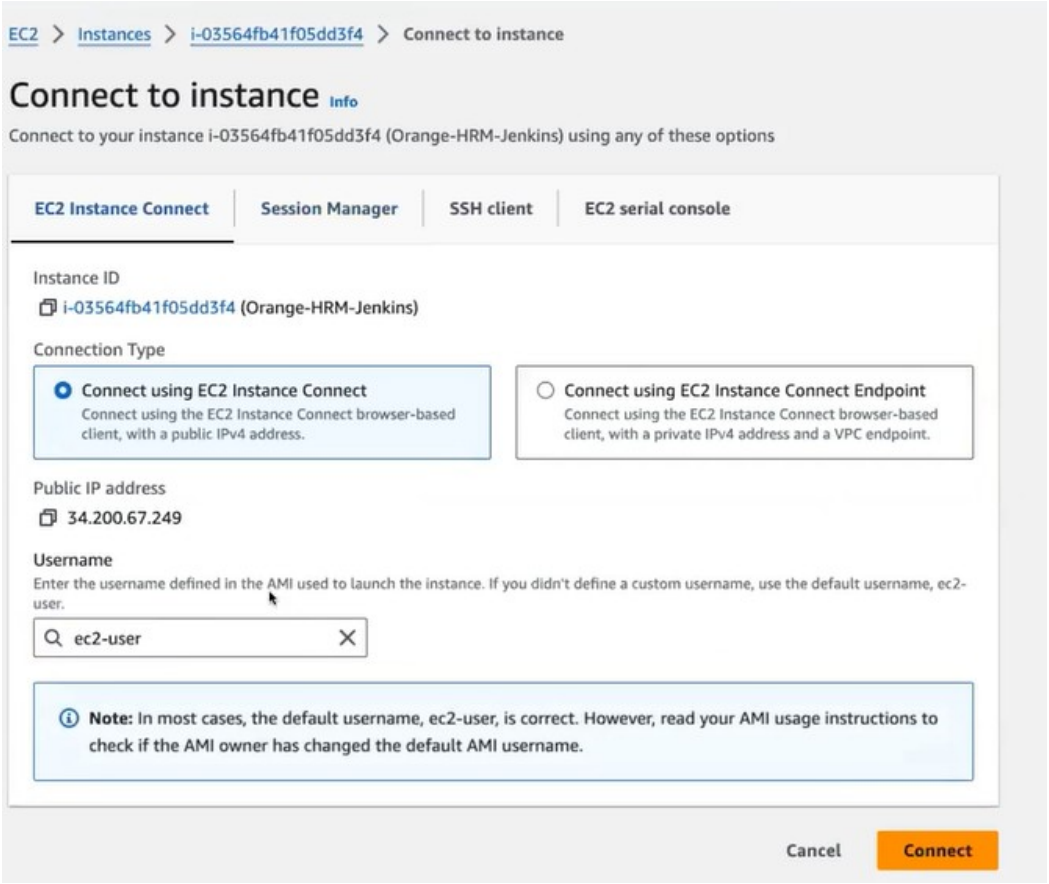
We can store in any store in the world:


us-east-1.console.aws.amazon.com
Search
[Option+S]
N. Virginia
Instances (6) Info
Find Instance by attribute or tag (case-sensitive)
Any state
Connect
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Orange-HRM-... i-03564fb41f05dd3f4 Running t2.medium 2/2 checks passed View alarms us-east-1a
Grid i-082449119798851fa Running t2.medium 2/2 checks passed View alarms us-east-1c
MealB i-01a098d133dbfe55f Running t2.medium 2/2 checks passed View alarms us-east-1a
linux_name i-0e9e09f532b05155d Stopped t2.micro – View alarms us-east-1b
ob_test i-0103210d1fdb917eb Stopped t2.micro – View alarms us-east-1b
i-0836b8cb6f51f8f4a Running t2.micro 2/2 checks passed View alarms us-east-1a
Select an instance
US East (N. Virginia) us-east-1
US East (Ohio) us-east-2
US West (N. California) us-west-1
US West (Oregon) us-west-2
Asia Pacific (Mumbai) ap-south-1
Asia Pacific (Osaka) ap-northeast-3
Asia Pacific (Seoul) ap-northeast-2
Asia Pacific (Singapore) ap-southeast-1
Asia Pacific (Sydney) ap-southeast-2
Asia Pacific (Tokyo) ap-northeast-1
Canada (Central) ca-central-1
Europe (Frankfurt) eu-central-1
Europe (Ireland) eu-west-1
Europe (London) eu-west-2
Europe (Paris) eu-west-3
Europe (Stockholm) eu-north-1
South America (São Paulo) sa-east-1
There are 12 Regions that are not enabled for this account

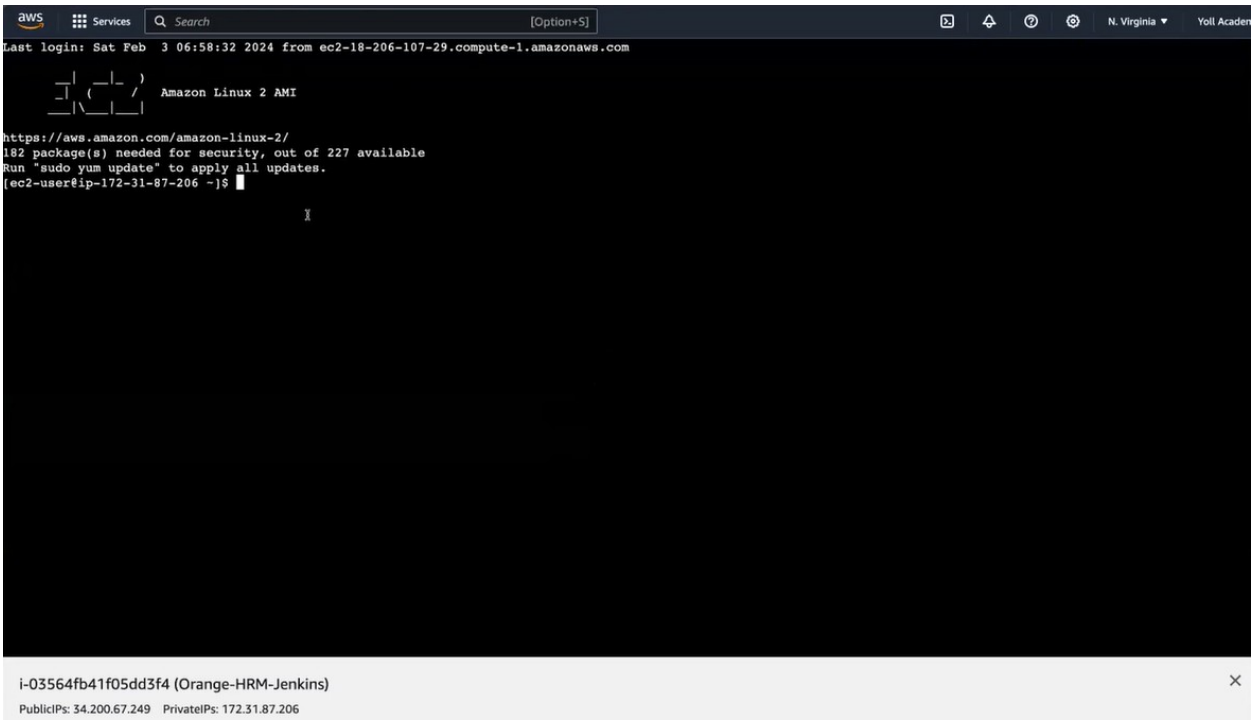
Click on orange HRM, then Launch instance


Instances (1/6) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
Any state
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4 ...
Elastic IP
Orange-HRM-...
i-03564fb41f05dd3f4
Running
t2.medium
2/2 checks passed
View alarms
us-east-1a
ec2-34-200-67-249.co...
34.200.67.249
34.200.67.249
Grid
i-0824491197988851fa
Running
t2.medium
2/2 checks passed
View alarms
us-east-1c
ec2-52-55-225-237.co...
52.55.225.237
MealB
i-01a098d133dbfe55f
Running
t2.medium
2/2 checks passed
View alarms
us-east-1a
ec2-34-235-0-4.comput...
34.235.0.4
34.235.0.4
linux_name
i-0e9e09f532b05155d
Stopped
t2.micro
View alarms
us-east-1b
ob_test
i-0103210d1fdb917eb
Stopped
t2.micro
View alarms
us-east-1b
i-0836b8cb6f51f8f4a
Running
t2.micro
2/2 checks passed
View alarms
us-east-1a
ec2-54-163-3-234.com...
54.163.3.234
Instance: i-03564fb41f05dd3f4 (Orange-HRM-Jenkins)
Details
Status and alarms New
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-03564fb41f05dd3f4 (Orange-HRM-Jenkins)
IPv6 address
–
Hostname type
–
Public IPv4 address
34.200.67.249 |open address
Instance state
Running
Private IP DNS name (IPv4 only)
ip-172-31-87-206.ec2.internal
Private IPv4 addresses
172.31.87.206
Public IPv4 DNS
ec2-34-200-67-249.compute-1.amazonaws.com |open address


EC2 > Instances > i-03564fb41f05dd3f4 > Connect to instance
Connect to instance Info
Connect to your instance i-03564fb41f05dd3f4 (Orange-HRM-Jenkins) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Can't connect to your instance
To connect to an instance using Session Manager, Systems Manager requires an IAM instance profile. You can create an instance profile and assign it to your instance by using a Systems Manager Quick Setup host management configuration.
If you still can't connect to your instance, or if you receive an error, including an error about SSM Agent, see Troubleshooting Session Manager.
Open Systems Manager Quick Setup
Session Manager usage:
Connect to your instance without SSH keys, a bastion host, or opening any inbound ports.
Sessions are secured using an AWS Key Management Service key.
You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
Configure sessions on the Session Manager Preferences page.
Cancel
Connect


EC2 > Instances > i-03564fb41f05dd3f4 > Connect to instance
Connect to instance Info
Connect to your instance i-03564fb41f05dd3f4 (Orange-HRM-Jenkins) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-03564fb41f05dd3f4 (Orange-HRM-Jenkins)
Connection Type
Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.
Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.
Public IP address
34.200.67.249
Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.
ec2-user
Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.
Cancel
Connect

Terminal computer from Amazon:



Integrating Jenkins with Amazon Web Services (AWS) offers several advantages for testing and continuous integration/continuous deployment (CI/CD) pipelines:

1. **Scalability and Flexibility: AWS provides scalable infrastructure, allowing Jenkins to handle varying workloads efficiently. By leveraging AWS services, Jenkins can dynamically scale resources to meet the demands of large-scale testing and deployment processes.**

deftboxsolutions.com

2. **High Availability: Hosting Jenkins on AWS enhances its availability. AWS's global infrastructure ensures that Jenkins can operate with minimal downtime, providing a reliable environment for continuous integration and testing activities.**

deftboxsolutions.com

3. **Integration with AWS Services: Jenkins can seamlessly integrate with various AWS services, such as AWS CodeDeploy and AWS CodePipeline, to streamline the deployment process. This integration facilitates automated deployments and efficient management of application releases.**

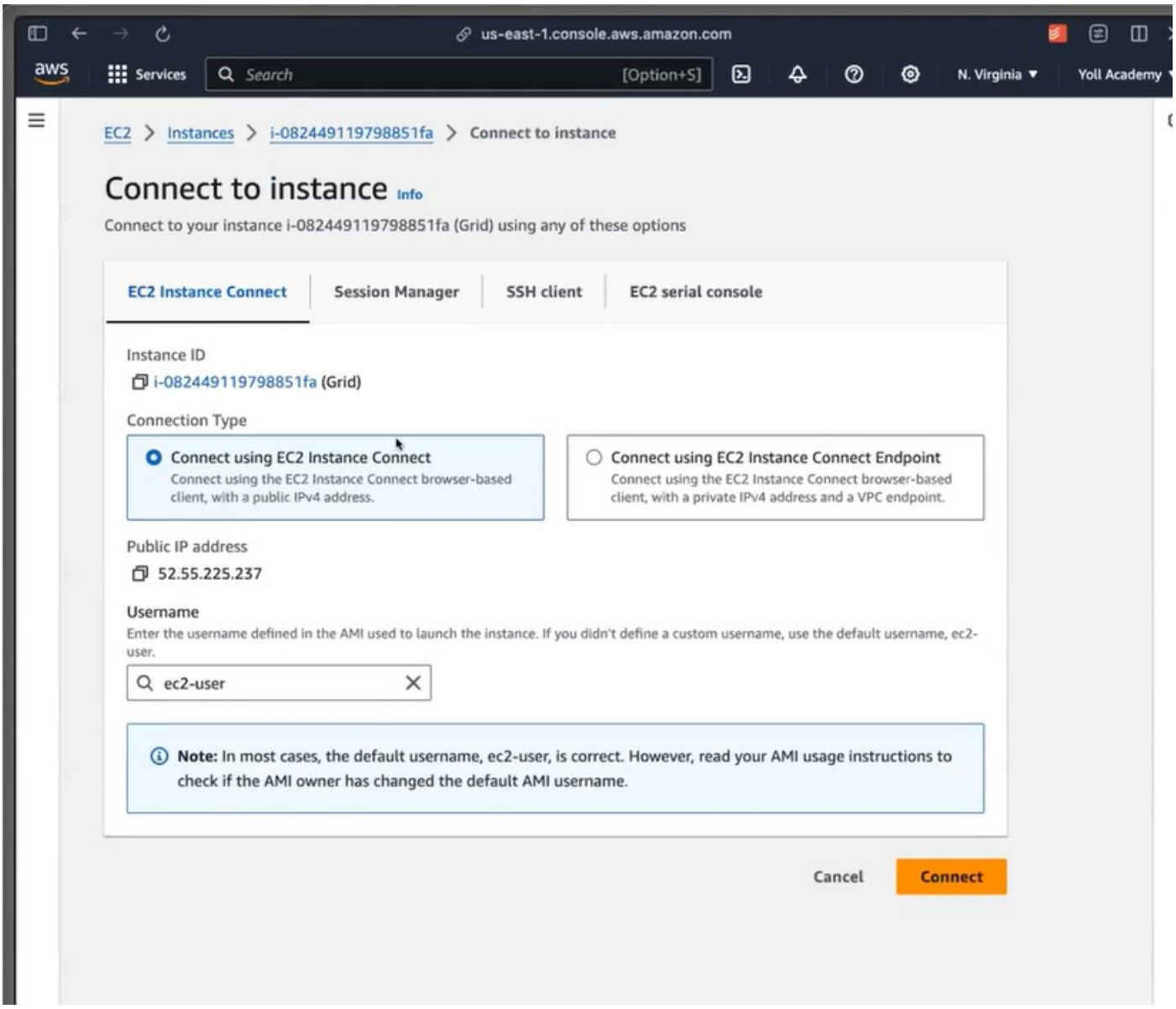
stackoverflow.com

4. **Resource Optimization: By utilizing AWS's on-demand resources, Jenkins can optimize resource usage, reducing costs associated with maintaining dedicated hardware for testing and deployment tasks.**

deftboxsolutions.com

5. **Enhanced Security: AWS offers robust security features, including network isolation and encryption, which can be leveraged to secure Jenkins environments and protect sensitive data during the testing and deployment processes.**

By combining Jenkins with AWS, organizations can create a robust, scalable, and efficient CI/CD pipeline that enhances the software development lifecycle.


us-east-1.console.aws.amazon.com
aws
Services
Search
[Option+S]
N. Virginia
Yoll Academy
EC2 > Instances > i-082449119798851fa > Connect to instance
Connect to instance Info
Connect to your instance i-082449119798851fa (Grid) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-082449119798851fa (Grid)
Connection Type
Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.
Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.
Public IP address
52.55.225.237
Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.
ec2-user
Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.
Cancel
Connect